

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

SEED ANNUAL 1942



JEWELS THAT WILL MAKE YOUR GARDEN SPARKLE

- Rosalie Antirrhinum (1)
- Heart of France Aster (2)
- Blue Moon Scabiosa (3)
- Pastel Lilliput Zinnias (4)
- Violet Queen Alyssum (5)
- Limelight Marigold (6)
- Radiance Petunia (7)

See descriptions on page 36

SEED COLLECTION C 42: 7 packets
one each of the above annuals, \$1

Stump & Walter Co.
NEW YORK CITY

This Year Plant A GARDEN FULL of Vegetables

Garden Full Collection A **\$1.00** One pkt. each of these 12 vegetables. Ideal for a garden of about 500 square feet (say 20 x 25 feet).



RUBICORE CARROT
Pkt. 15 cts., 1/2oz.
35 cts., oz. 60 cts.

GOLDEN CROSS BANTAM CORN
Pkt. 15 cts., 1/2lb. 35 cts., lb. 65 cts.

BOUNTIFUL BUSH BEANS
Pkt. 10 cts., 1/2lb. 25 cts.,
lb. 45 cts.

ORDER THESE HIGH QUALITY SEEDS
SEPARATELY OR IN A COLLECTION

Garden Full Collection B **\$2.75**
Catalogue Value \$2.95

Half-pound each of the Corn, Beans, and Peas, 1 oz. each Radish and Spinach, 1/2oz. each Carrot, Beet, and Swiss Chard, pkt. each Lettuce and Tomato. Fills a garden of 1000 to 2000 square feet (say 20 x 50 or 40 x 50 feet).



BRITTLE WAX BEANS
Pkt. 15 cts., 1/2lb. 30 cts.,
lb. 50 cts.



EARLY GIANT BUSH LIMA
Pkt. 15 cts., 1/2lb.
30 cts., lb. 55 cts.



SAWCO WONDER BEET
Pkt. 15 cts., 1/2oz. 25 cts., oz. 45 cts.



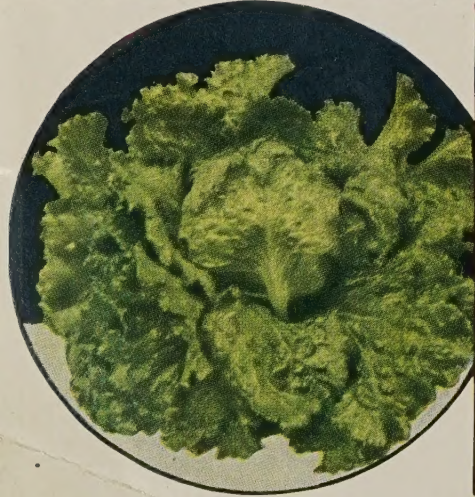
GREEN LYON SWISS CHARD
Pkt. 10 cts., 1/2oz. 20 cts.,
oz. 35 cts.



SCARLET GLOBE RADISH
Pkt. 10 cts., oz. 20 cts.,
1/4lb. 50 cts.

Garden Full Collection C **\$4.25**
Catalogue Value \$4.70

Pound each Beans and Peas, 1/2lb. Corn, 1 oz. each Carrot, Beet, Swiss Chard, Radish, Lettuce, and Spinach, pkt. Tomato. Fills a garden of 1500 to 3000 square feet (say 20 x 75 or 40 x 75 feet).



NEW YORK or WONDERFUL LETTUCE NO. 12
Pkt. 10 cts., 1/2oz. 20 cts., oz. 35 cts.



LITTLE MARVEL PEA
Pkt. 10 cts., 1/2lb.
25 cts., lb. 45 cts.



VICTOR TOMATO
Pkt. 20 cts., 1/2oz. 60 cts., oz. \$1



BLOOMSDALE SAVOY SPINACH
Pkt. 10 cts., oz. 20 cts., 1/4lb. 50 cts.

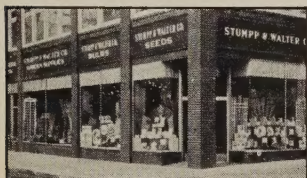
CULTURAL DIRECTIONS ON EACH PACKET

THE STUMPP & WALTER CO.

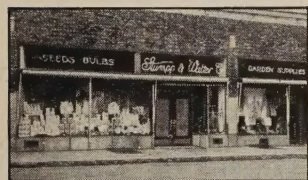
• Forty-Fourth Annual Catalogue •



WHITE PLAINS, N. Y.
(Percy Hill, Branch Mgr.)
148-150 Mamaroneck Avenue,
at Post Road
Phones: White Plains 9260 and 9261



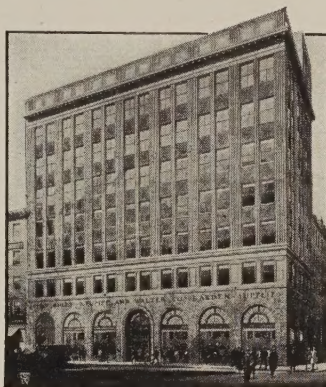
STAMFORD, CONN.
(Leon Ezzell, Branch Mgr.)
674-676 Main St., at Grove Street
Phone: Stamford 4-0125



ENGLEWOOD, N. J.
(Joseph Reger, Branch Mgr.)
3-5-7 Grand Ave., at Palisade Ave.
Phone: Englewood 3-5596



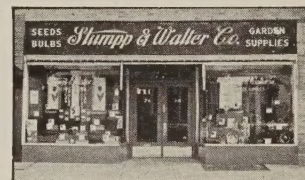
BULB FARM. Islip, Long Island
(C. Van Ginhoven, Supt.)
Visit us in late April, when Daffodils
are in bloom. No sales organization
maintained here.



HEADQUARTERS BUILDING and STORE
(Harry P. Sweeney, Mgr.)
132-138 Church Street, New York
Phones: BARclay 7-1110



NEWARK, N. J.
(A. Weston Smith, Jr., Branch Mgr.)
29-31 Central Ave., at Halsey St.
Phones: Market 3-5595 and 3-5596



HEMPSTEAD, LONG ISLAND
(William Garypie, Branch Mgr.)
74 N. Franklin St., near Fulton Ave.
Phone: Hempstead 792



SALES OFFICE
75-acre Testing Farm and Nursery,
Farmingdale, Long Island.
(John Birkentall, Supt.)
Phone: Farmingdale 791



PLANT-FOOD FACTORY
Tonnele Ave., Jersey City, N. J.
(P. Luxford, Mgr.)
Where our fertilizers, insecticides
and fungicides are prepared and
packed. No sales organization
maintained here.

Your Two-Fold Duty

Produce Vegetables and Grow Flowers

If you own a garden, you have the opportunity and it is your privilege, in this period of growing scarcity, to add to the world's supply of food by growing vegetables and fruit. You will find it healthful, pleasant and profitable.

Hitherto we may have believed vegetables to be so low in cost that they do not pay the amateur to grow them, but this is no longer valid, for vegetables will be scarce in 1942 and they will cost more. Already there is talk of rationing food in America.

The world needs the beauty of flowers also; their perfume and their quiet calm. So grow your beans and cabbages, potatoes and fruit, but sow your asters, marigolds and zinnias, as in past years. Set out your roses and shrubs and, especially, your perennials and bulbs, to beautify the future years and to carry us through to the time when the world is at peace again.

We submit, for your consideration, the **NEWEST** and **BEST** in

Grass Seeds	Pages 2-8	Roses and Shrubs	Pages 104-111
Vegetable and Farm	9-30	Fruits	112-114
Seeds	31-86	Vines	115
Flower Seeds and	87-103	Garden Tools, Chemicals	116-139
Bulbs		Insecticides and Fertilizers	
Perennials		Picnic Supplies and Books	140-141

At the time of going to press, many of our seeds are still to be harvested, and it is possible that some shortages may develop.

Expected shipments from abroad may fail to arrive, and the nation's defense program may limit the renewal of our stocks of certain implements. For these reasons we must emphasize that **PRICES IN THIS CATALOGUE ARE SUBJECT TO CHANGE.**

WE DELIVER all merchandise within 50 miles of New York, except Chemicals, Fertilizers, Hardware, Roots, Nursery Stock, Potatoes, and Farm Seeds, the total value of which is \$2 or less. Beyond 50 miles, we deliver Grass, Flower and Vegetable Seeds, Bulbs, and Books. Purchaser pays transportation on all other merchandise beyond 50 miles; also on heavy merchandise within 50 miles if of low value, as detailed above. We make a nominal charge for packing, crating and delivery of pot-grown Annual Plants; see note on page 115.

NON-WARRANTY. We, Stumpp & Walter Co., give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs, or plants we send out, and will not be responsible for the crop. Terms of Business will be found on page 144.

Stumpp & Walter Co.

GEORGE O. STUMPP, President
WILLIAM A. SPERLING, Vice-Pres.
WILLARD L. ISAACS, Vice-Pres. & Treas.
THOMAS F. KEARNEY, Sec'y & Asst. Treas.
ALEX. E. SEHLMAYER, Asst. Sec'y

NEW YORK PHONES: BARclay 7-1110 (Ten trunk lines)

Copyright, 1942, by Stumpp & Walter Co.

132-138 Church Street
(At Warren Street)
NEW YORK CITY
Near City Hall and Brooklyn Bridge



A large Staigreen
Lawn

Pamphlet "How
to Build a Permanent
Lawn" free in every
package

Staigreen LAWN SEED

BEST ON EARTH

SINCE 1912

HIGH PURITY

HIGH GERMINATION

TIME-TESTED FORMULA

Maximum Freedom from Weeds—Contains No Crabgrass

DON'T EXPERIMENT—WE'VE DONE THAT FOR YOU

Staigreen is a modern Lawn Seed Mixture, the result of years of experimenting and practical sowing on all types of soil. With it many of the best lawns in the northern United States have been built. It is composed of the strongest, finest and most permanent grass varieties, including Bent and Chewing's Fescue. Under favorable conditions it will produce a deep-rooted turf, luxuriant, carpet-like, and emerald-green from early spring through summer to early winter.

Staigreen weighs 30 pounds to the measured bushel, which is exceptionally high for Lawn Seed, and heavy seed means pure seed of high quality, free from weeds and chaff. STAIGREEN is also free of Rye Grass or Timothy. We recommend STAIGREEN for all lawns, whether new or old, except in heavy shade or in the extreme South. STAIGREEN contains no white clover, but if desired in your lawn, we suggest you purchase white clover separately on the basis of 1 pound to each 20 pounds of STAIGREEN, and mix prior to seeding.

Staigreen was introduced by us in 1912; through the years we have never lowered the quality of the mixture. We have had to lower or increase the price from time to time, and for several years we were obliged to offer it at a higher price than we do today. It is moderate in price, but is not "cheap." After all, the cost of good seeds in the making or maintenance of a lawn is but a small fraction of the total.



A Staigreen Lawn in Summit, N. J.

Prices of Staigreen

Lb. (Sifter-Top Container)	.....	\$0 65
2½ lbs.	.....	\$1 60
5 lbs.	.....	3 15
12½ lbs.	.....	7 50

Includes delivery to your home

Special Combination Offers

Staigreen Seed	Emerald Fertilizer	Makes Renovates	
		New Lawn	Old Lawn
1 lb.	10 lbs.	\$1 45	200
2½ lbs.	25 lbs.	3 15	500
5 lbs.	50 lbs.	6 00	1000
12½ lbs.	125 lbs.	13 00	2500
25 lbs.	250 lbs.	25 00	5000

"Emerald" is a high quality grass food described on page 138.

Purchaser pays transportation on Fertilizer beyond 50 miles.

Chewing's Fescue is an important ingredient in the Staigreen formula. Being deep-rooted, and a robust grower in the heat of summer, it imparts to Staigreen a definite resistance to chinch-bug injury and summer scald.

Quantity to Use

	Sowing New Lawns	Renovating Old Lawns
	Lbs.	Lbs.
200 sq. feet	1	½ to ¾
1000 sq. feet	5	2½ to 4
Acre	200	75 to 125

These amounts will give satisfactory results under average conditions, but if time is not important, and if your soil is good and rich, they may be reduced.

They are sometimes doubled by experienced turfmakers, especially when a lawn is sown in the spring.

Sow during spring, autumn or winter. Avoid hot weather.



Turf in the Shade

The most beautiful of lawns is the one o'ershadowed by trees

Shady Place Lawn Seed

Consists of shade-tolerant grass varieties, properly proportioned, together with sorts which do well in full light. So the formula may be used on both sunny and shaded areas of the lawn. Use 5 pounds per 1000 square feet, or 200 pounds per acre. In very stubborn cases it may be necessary to renovate the lawn every season for several years, proceeding thus: Add lime every winter at the rate of 50 pounds per 1000 square feet; fork the land lightly in the spring, and apply Sawconure, 50 pounds per 1000 square feet and 25 pounds of Emerald Grass Fertilizer; rake smooth and sow Shady Place Lawn Seed. Repeat the programme at the end of summer. **Lb. 75 cts., 2½ lbs. \$1.80, 5 lbs. \$3.50, 10 lbs. \$6.75, 20 lbs. \$13.25, 100 lbs. \$60.**

All-Bent Formula

A mixture of Bent Grasses, the dwarfest sorts in cultivation, creeping in habit, and capable of producing a dense mat of the finest silky turf. To these is added a proportion of high-quality Red-Top. In rich soil this formula will produce a turf finer in texture than a lawn of the ordinary type, and the creeping character of these varieties produces the soft, luxurious feel of a deep, rich green rug.

Soil must be rich and should have Sawconure and Emerald Fertilizer worked into it; these also should be applied as a top-dressing every spring and autumn. Sow 3 pounds of seed per 1000 square feet or 125 pounds per acre. **Lb. \$1.15, 2½ lbs. \$2.80, 5 lbs. \$5.50, 12½ lbs. \$12.50, 25 lbs. \$24, 100 lbs. \$90.**

S. & W. Co.'s Creeping Bent Seed. Pure seed of the finest of turf grasses. Over six million seeds to the pound, and this combined with the creeping character of the plants makes it possible to sow at a reduced rate on well-prepared soil. Use 2½ pounds per 1000 square feet. With care it will make a putting-green of your lawn. **Lb. \$1.55, 2½ lbs. \$3.80, 5 lbs. \$7.50, 12½ lbs. \$18, 25 lbs. \$35.**

Turf for Large Areas

Sawco High-Grade Lawn Seed. For lawns where low cost is important. Composed of fine re-cleaned grasses with white Clover, carefully proportioned so that they succeed one another throughout summer. One pound will sow 200 square feet; 200 pounds, an acre. **Lb. 55 cts., 2½ lbs. \$1.30, 5 lbs. \$2.50, 10 lbs. \$4.75, 20 lbs. \$9, 100 lbs. \$42.50.**

Greenwood Formula. For cemeteries and parks. Produces turf of medium fineness if mown frequently. Although low in cost, Greenwood Formula contains high-quality grass seeds of strong germination, producing a permanent turf. There is no Clover in the mixture. Use one pound per 10 by 20 feet for new lawns; 200 pounds per acre. **Lb. 45 cts., 5 lbs. \$2.10, 10 lbs. \$4, 20 lbs. \$7.50, 100 lbs. \$35.**

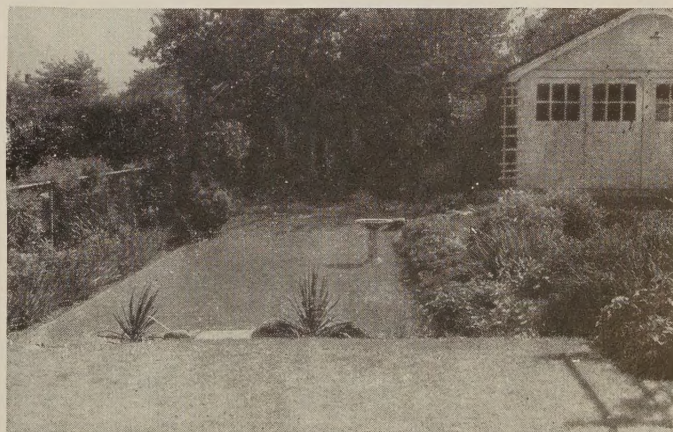
For renovating, use half the quantities recommended for the several formulas above. For quick results, use double these amounts.

"Hormonized" Seed

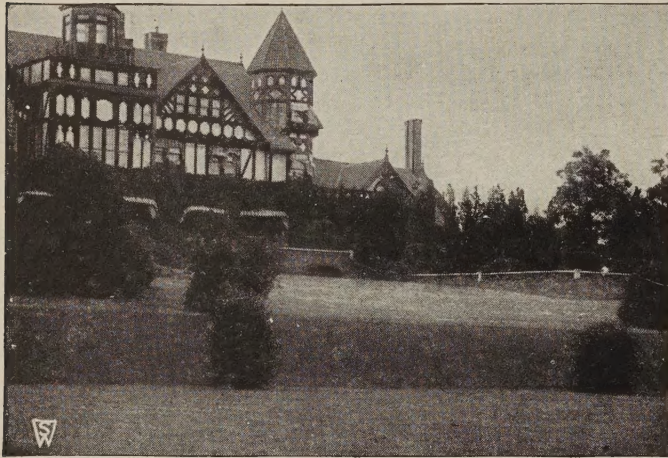
Our seeds are of high vitality and will develop maximum root-growth where favorable conditions are present. Experimenters are treating seeds with hormones at the present time, and if you are interested in giving the idea a trial we offer:

Rootone. The plant-hormone powder. Place seed in a container, or on a clean floor if the quantities are large. Add Rootone and stir, or turn the heap, until every seed is whitened with the powder.

		Quantity of seed it will treat
¼-oz. pkt.	\$0 25	1 - 2½ lbs.
2-oz. jar.	1 00	2½ - 20 lbs.
1-lb. can.	5 00	80 - 160 lbs.



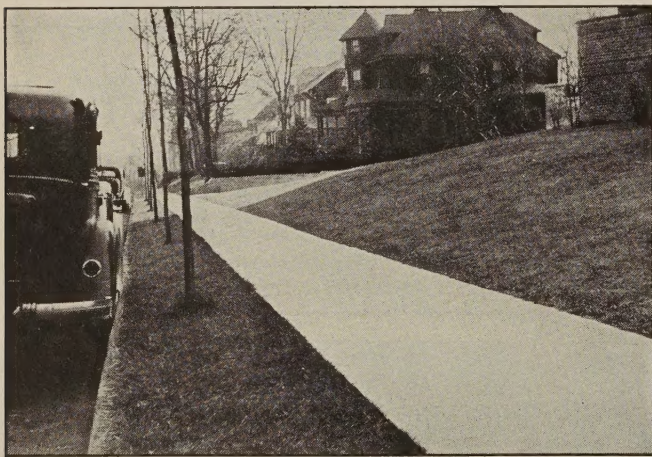
An All-Bent Lawn. Photo by C. B. Hayward, Nutley, N. J.



For Terraces, Hillside, and Embankments

Turf on Slopes

Terrace Sod Grass Seed. A mixture of grasses that will produce strong, spreading roots, will withstand drought and sun, and will thrive on shallow soils. If the slope is gentle, add 1 inch of top-soil, broadcast Emerald Grass Fertilizer at the rate of 50 pounds to 1000 square feet. Rake, and sow Terrace Sod Formula, 10 pounds to 1000 square feet. If slope is severe, proceed as above, except to sow along with the grass seeds some ordinary seed oats—1 pound of seed and 1 quart of oats to each 100 square feet. Mow the oats as soon as they are long enough for a mower to cut them, and keep them cut. When applying soil, plant-foods, or seed to sloping land, do not use them evenly, but place more at the top of the slope than lower down; this is an allowance for rain washing the materials to lower levels. Lb. 75 cts., 2½ lbs. \$1.80, 5 lbs. \$3.50, 10 lbs. \$6.75, 20 lbs. \$13.25, 100 lbs. \$60.



Urban Formula for City Lawns and Suburban Boulevards

Turf in the City

Urban Formula. Resists the harmful effects of shade, lack of air-circulation, gasoline fumes, hard wear, and other handicaps to which a lawn in the cities is subject. Contains white Clover and Rye grass, along with other desirable varieties. Makes a handsome turf, deep green, but somewhat coarse. For new lawns use 5 to 10 pounds per 1000 square feet. Enrich the soil before sowing with 100 pounds Sawconure and 50 pounds Emerald Fertilizer per 1000 square feet, and broadcast 50 pounds of Lime per 1000 square feet every winter. Lb. 50 cts., 2½ lbs. \$1.20, 5 lbs. \$2.35, 12½ lbs. \$5.75, 25 lbs. \$11, 100 lbs. \$40.

For renovating, use half the quantities recommended for the several formulas above. For quick results, use double these amounts.

PROBLEM LAWN SEEDS

Turf by the Sea

Seashore Lawn Grass Seed. The varieties are deep-rooting and they resist salt spray and high winds. The soil in the neighborhood of the sea is frequently poor; a good preparation is to apply Sawconure at the rate of 100 pounds to each 1000 square feet, and on sandy land Humus should also be used, allowing ½ ton per 1000 square feet. Rake after applying and then sow seed. Use two pounds on 20 by 20 feet. Lb. 65 cts., 2½ lbs. \$1.60, 5 lbs. \$3.10, 12½ lbs. \$7.25, 25 lbs. \$13.50, 100 lbs. \$50.



Seashore Formula for Areas under the Influence of Salt Spray

Turf in the South

Southern Lawn Grass Seed. From central Virginia south, the ordinary northern grasses will not thrive permanently, and good results are not likely to follow the use of the customary mixtures. We offer a special formula which we find is highly satisfactory. We advise that two seedings be made, one in spring and one in fall, allowing at each, one pound to every 20 by 20 feet. Lb. 60 cts., 2½ lbs. \$1.45, 5 lbs. \$2.75, 12½ lbs. \$6.75, 25 lbs. \$13, 100 lbs. \$45.

Bermuda Grass Seed. A superior strain for southern lawns and pastures. Lb. 65 cts., 10 lbs. \$6, 100 lbs. \$50.

Hulled Bermuda Grass Seed. Lb. 85 cts., 10 lbs. \$8, 100 lbs. \$70.

Bulbous Blue Grass (*Poa bulbosa*). A winter turf grass for the southern states. Lb. 95 cts., 10 lbs. \$9, 100 lbs. \$80.

Carpet Grass Seed. Recommended for southern lawns or pastures in moist soil. Lb. 55 cts., 10 lbs. \$5, 100 lbs. \$40.

Lespedeza Clover, Korean. See page 30. Lb. 35 cts., postpaid 45 cts.; 10 lbs. \$3, 100 lbs. \$20.



Southern Formula for Lawns in the Southern States

A Course of Treatment

THAT WILL EVENTUALLY GIVE YOU A GOOD LAWN UNDER ALMOST ALL CIRCUMSTANCES

Use **LAWNSPREAD.*** It Improves Lawns—Grubproofs Soil

A complete top-dressing in dry powder form—mixture of Plant-foods, Grass Seeds, and Lead Arsenate



The secret of the beautiful turf on golf courses is the frequent application of soil, humus, plant-foods, insecticides, and fungicides; and pure seed is sown. When you broadcast Lawnspread you achieve in one operation what these experts do in several.

LAWNSPREAD contains screened, sterile soil-materials, approved grass-foods, and high-quality grass seeds; in the mixture, also, are ingredients to deter earthworms, Japanese beetles, and grubs; others to protect against fungous diseases. There are no weed seeds in **Lawnspread**, and it is almost odorless. **Lawnspread** may be used wherever grass fertilizers would be applied, but it is a complete treatment, and better results may be looked for.

LAWNSPREAD is a dry powder packed in units containing one-half bushel and weighing 25 pounds. In a dry, cool place, **Lawnspread** may be stored up to four weeks without impairing the germination of the grass seeds contained in it.

DIRECTIONS FOR USING LAWNSPREAD

Broadcast evenly; rub the powder off the leaves with the back of a rake.

As a tonic for any lawn, use one unit on each 20 by 20 feet at any time. An ideal treatment is to make four applications a year—in March, April, September, and October. Use every month on crab-grass, grub-infested areas, or on brown-patch-infested lawns.

To renovate thin or bare turf, roughen the surface and broadcast one unit on each 10 by 20 feet. If necessary, repeat at intervals of a month until a perfect turf has been obtained.

LAWNSPREAD

Contains mixed seeds for open and shaded areas
1 to 10 bags, \$2.00 per bag
11 to 25 bags, 1.85 per bag
Over 25 bags, 1.70 per bag

SUPER-LAWNSPREAD

Contains Coos County Bent Seeds for home putting- greens
1 to 10 bags, \$2.75 per bag
11 to 24 bags, 2.65 per bag
Over 25 bags, 2.50 per bag

Lawnspread will not burn the grass, nor will it injure birds, cats, or dogs

*Trade-Mark Registered, Patent Pending

New Jersey Lawn Seed Formulas

These are prepared according to the most recent formulas published by the New Jersey Agricultural Experiment Station. They list only those grass varieties known to be suitable for producing excellent turf, and that may be used with every confidence anywhere in the United States, north of the Mason and Dixon line. Although the Experiment Station has established minimum percentages for purity and germination in the individual seeds, our customers will not be surprised to learn that our seeds used in these formulas run consistently and markedly higher than the Station's specifications. We request that this be borne in mind when prices are being considered.

Formula No. 1 (with Clover). Standard for lawns on fair to good soils. Lb. 60 cts., 2½ lbs. \$1.45, 5 lbs. \$2.75, 12½ lbs. \$6.75, 25 lbs. \$13, 100 lbs. \$45.

Formula No. 1a (without Clover). Same basis as above, but without Clover. Lb. 60 cts., 2½ lbs. \$1.45, 5 lbs. \$2.75, 12½ lbs. \$6.25, 25 lbs. \$12, 100 lbs. \$42.50.

Formula No. 2. For finest quality turf, containing a liberal percentage of Colonial Bent. Lb. 75 cts., 2½ lbs. \$1.80, 5 lbs. \$3.50, 12½ lbs. \$8.25, 25 lbs. \$16, 100 lbs. \$60.

Formula No. 3. For shaded areas. Lb. 95 cts., 2½ lbs. \$2.30, 5 lbs. \$4.50, 12½ lbs. \$10.50, 25 lbs. \$20, 100 lbs. \$75.

Formula No. 4. For poor, clayey, shaley, or sandy soils; and for lawns on terraces or steeply sloping land. Lb. 65 cts., 2½ lbs. \$1.55, 5 lbs. \$3, 12½ lbs. \$7, 25 lbs. \$13.50, 100 lbs. \$50.



Broadcast Lawnspread and rub in with the back of a rake.

The Experiment Station publishes the Formulas, but cannot endorse the mixtures. As always, you must depend upon the reputation of the supplier.

Yarrow—A Turfing Plant

You may have noticed the fern-like leaves of Yarrow among the grass in your lawn. If you have tried to remove this so-called weed you will have found it almost impossible to do so—it roots so deeply. It is so resistant to drought that in summers dry and hot enough to kill grass, clumps of bright green Yarrow may be seen on an area that otherwise would be bare.

Yarrow may be added to grass seeds for dry locations, slopes, or sandy land, or where hard wear makes turf-keeping seemingly impossible. In exceptional circumstances you may sow it alone; some beautiful midsummer lawns have been made with it. Cold turns the leaves a dark purple-brown, however, so where early spring or late autumn effect is important, it should always be used along with grass—not alone. In mixture, one-half pound of Yarrow to each 10 pounds of grass seed would be the allowance; sown alone, 1 pound per 1000 square feet will make a close sward. Oz. 35 cts., ¼ lb. \$1, 1 lb. \$3, 10 lbs. \$27.50.



Yarrow



Mow your lawn twice a week, setting the machine so that it cuts the grass moderately long, especially during July and August.

Turf for Sports

GOLF

Putting-Green Formulas

Use 10 pounds to each 1000 square feet for new greens

Standard Putting-Green Formula. Recommended for light, dry soils. This is a blend consisting of imported and domestic grass seeds of fine quality. The mixture includes the Bent grasses and Red Fescue. Its use for more than thirty years has proved its reliability. **Lb. \$1, 5 lbs. \$4.50, 25 lbs. \$18.50, 100 lbs. \$70.**

Special Putting-Green Bent Formula. Recommended for well-prepared, rich soils. This is a blend of grass seeds of the finest quality—all of the highest purity and strongest germination. We include in the formula an increased proportion of the Bents. **Lb. \$1.10, 5 lbs. \$5, 25 lbs. \$21, 100 lbs. \$80.**

Fairgreen Formulas

Use 200 pounds to each acre for new fairways

Fairgreen Formula, Fine Quality. Recommended for light, dry soils. Weight of a measured bushel of this formula is over 20 pounds. Under average conditions this mixture will produce an even, tough and lasting turf. **Lb. 55 cts., 5 lbs. \$2.50, 25 lbs. \$10, 100 lbs. \$35.**

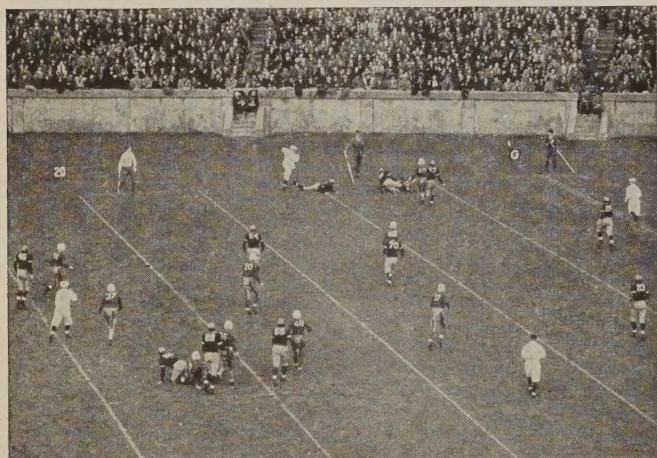
Fairgreen Formula, Superfine Quality. A prescription designed to produce wonderful turf from tee to green. For well-prepared, rich soils. Contains Bent, Chewing's Fescue, Kentucky Blue Grass, and Superfine Red-Top. The weight of a measured bushel is over 25 pounds. **Lb. 70 cts., 5 lbs. \$3.25, 25 lbs. \$13, 100 lbs. \$47.50.**

Formula for Problem Fairways. Resists chinch-bug, drought, heat, and poor soil. **5 lbs. \$3.50, 25 lbs. \$15, 100 lbs. \$55.**

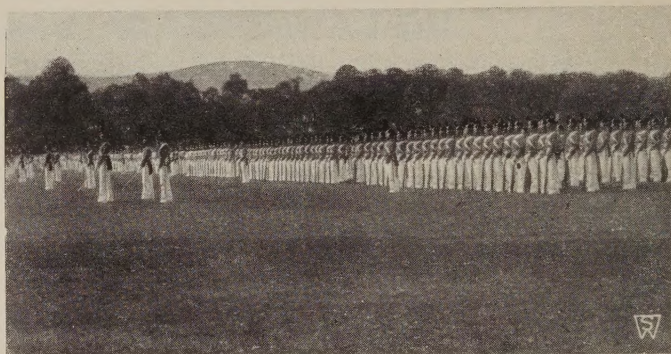
Formula for Irrigated Fairways. Gives wonderful results where it is possible to keep the soil moist under all conditions. **5 lbs. \$4, 25 lbs. \$17.50, 100 lbs. \$65.**

Divot Formula

A blend consisting of (a) permanent grasses suitable for fairways and tees, with (b) seeds of the quickest growing plants that are of a temporary nature. The temporary plants grow immediately, and in a day or two of favorable weather you cannot locate the divot; in the course of a few weeks, with cutting, the temporary plants disappear, leaving the permanent grasses, now established, in possession of the soil. **Lb. 70 cts., 5 lbs. \$3.25, 25 lbs. \$14, 100 lbs. \$52.50.**



The Bowl at Yale University, New Haven, Conn. Stumpp & Walter Co.'s Grass Seeds used; also on the Golf Course and Sports Fields.



Stumpp & Walter Co.'s Grass Seeds and Fertilizers are used on the Parade-Ground, Polo Field and Stadium at the U. S. Military Academy, West Point, N. Y.

Mixed Fescues for Bunkers

A mixture of Red, Hard, Dwarf, Fine-leaved, Various-leaved, and Tall Fescues. Excellent for mounds, bunkers, and exposed sandy situations in the "rough." Use 15 pounds per 1000 square feet for new seedings. **Lb. 80 cts., 5 lbs. \$3.75, 25 lbs. \$16.50, 100 lbs. \$60.**

Formula for Tees

Our formula includes only those varieties which will stand rough usage and recuperate quickly after excessive wear. Use 10 pounds per 1000 square feet for new seedings. **Lb. 65 cts., 5 lbs. \$3, 25 lbs. \$12, 100 lbs. \$42.50.**

"Rough" Formula

Consists of the taller-growing hardy perennial grasses in combination with yarrow and other plants suitable for the purpose and least likely to give serious trouble as weeds, should their seed be carried on to your greens or fairways. Use 100 pounds per acre for new seedings. **Lb. 55 cts., 5 lbs. \$2.50, 25 lbs. \$10, 100 lbs. \$35.**

Lawn Tennis

West Side Tennis Formula. Grasses which may be mown closely, rolled continuously, and which will stand up well under localized wear. Use 15 pounds per 2000 square feet when building new courts. **Lb. 75 cts., 5 lbs. \$3.50, 25 lbs. \$15, 100 lbs. \$55.**

Football

Touchdown Formula. Hard-wearing grasses properly proportioned. Sow 10 pounds per 2000 square feet when building new fields. **5 lbs. \$3.25, 25 lbs. \$13.50, 100 lbs. \$50.**

Aviation

Airport Formula, Superfine Quality. A combination of turf-binding grasses that will produce a strong, densely matted turf. It gives a sward of a deep green color. Use 100 pounds per acre for a new field. **100 lbs. \$45, 1000 lbs. \$425.**

Airport Formula, Fine Quality. Gives a tough, wear-resistant turf, of a gray-green color. Use 100 pounds per acre for a new field. **100 lbs. \$32.50, 1000 lbs. \$300.**

Polo and Racing

Hurlingham Formula. Mixture used on the well-known English field, adapted to American conditions. Use 200 pounds per acre for new fields. **5 lbs. \$3.25, 25 lbs. \$13.50, 100 lbs. \$50.**

Racetrack Formula. Produces a turf which is tough, thick, dark green and vigorous. Sow 150 pounds per acre for new tracks. **100 lbs. \$32.50, 1000 lbs. \$300.**

Lawn Bowling

Bowling Green Formula. A mixture of fine Bent grasses. For new greens, the standard dimensions of which are 120 by 120 feet, sow at the rate of 5 pounds per 1000 square feet. **Lb. \$1.40, 5 lbs. \$6.50, 25 lbs. \$30.**

HOW TO MAKE A LAWN

Dig the soil about 6 inches deep, but only when it is dry; if rain has fallen recently allow a few days of fine weather to elapse before commencing. As you dig, lift each clod high enough to enable you to turn it completely over. Strike the inverted clod with the back of the fork to break it. Remove all stones, sticks, and rubbish. Scatter *Emerald Grass Fertilizer on the dug earth; use 50 pounds to each 1000 square feet. Draw a rake back and forth until the soil is smooth and in fine condition.

Sow good lawn seed at the minimum rate of 1 pound (about $1\frac{1}{2}$ quarts) to each 200 square feet. Double the quantity for spring seeding and when turf is needed quickly. Select a day when no wind is blowing; divide the seed into two portions and sow the land twice to insure its even covering. When you have distributed the seed, rake the land once more, but very lightly. Do not work the rake back and forth—merely draw it toward you in a series of light strokes, raking only once in the same place so as to bury most of the grass seeds no more than $\frac{1}{8}$ inch deep.

Roll the seeded area, but should rain fall before the work is completed, defer the rolling until the land has dried or dispense with it altogether.

How about grub-proofing? Where Japanese beetles abound, also broadcast *Senoled at 25 pounds per 1000 square feet when the lawn is being made; use it annually thereafter. Senoled is a mixture of lead arsenate and plant-foods.

How long will the lawn be growing? Under very favorable conditions the young seedlings show through in less than ten days and the whole area looks green in a further two weeks; wait four weeks more before walking on the grass except to mow it.

When is the best time? Early spring and late summer are most favorable, while seed will do well on level ground if sown in winter. Watch for and remove crab grass from late spring sowings. Do not sow during hot weather.

Will the above directions hold on poor or sandy land? Before commencing work on poor soil, spread *Sawconure at the rate of 100 pounds to each 1000 square feet. Do not attempt to grow a lawn on excavated soil, subsoil, or "fill" without first applying Sawconure, digging, then adding at least 1 inch of top-soil. When preparing soil of this character, 1000 pounds of *Humus per 1000 square feet may also be used to advantage. In every case apply Emerald Grass Fertilizer as suggested above.

How about moist, sour soil? Spread *Pulverized Limestone on the dug-over land at the rate of 100 pounds to each 1000 square feet and rake in; wait a week and then follow direction. In bad cases it will be necessary first to drain the land by digging ditches and laying tile.

Should I sprinkle the new lawn? Yes, if seeding is followed by hot, dry weather. Otherwise it is best not to water for the first three weeks for fear of disturbing the seed. Later when the grass has started the young lawn should never be allowed to become dry.

What after-care is needed? As soon as the young grass is 2 inches high, begin cutting it and keep it regularly mown; roll it occasionally, and water it during dry weather.

How about White Clover? We include Clover only in our "High Grade" Lawn Seed, Urban, and New Jersey Formulas 1 and 4. We omit it from all other mixtures, because Clover is often not liked nowadays in the finest lawns. For the convenience of our customers who wish it, we offer Superfine White Clover separately (see page 8). Mixed with grass seeds, the usual allowance of Clover is 5 per cent.

REJUVENATING A LAWN

LARGE-SCALE RENOVATING

First, mow closely and remove weeds. Then:

1. Scratch the surface with a rake.
2. Broadcast *Sawconure, 50 pounds per 1000 square feet, and *Emerald Lawn Fertilizer, 25 pounds per 1000 square feet. At this time, spreading sufficient top-soil to make an even surface without hiding the grass, will be beneficial.
3. Rub with the back of the rake.
4. Sow good lawn seed, $2\frac{1}{2}$ pounds per 1000 square feet.
5. Again rub with the back of the rake. Grass must be dry; early spring and late summer are the most favorable seasons.

REPAIRING A LAWN

RENOVATING SMALL AREAS

Should your lawn fail in spots, if some areas are thin or bare, or when you cannot get grass to grow under trees:

1. Roughen the surface with a rake.
2. Apply *Lawnspray.

Perhaps deliverymen cut corners and wear a path in the turf; here again, *Lawnspray will help. This mixture of soil materials, plant-foods, insecticides, fungicides, and grass seed is described on page 5. Allow one unit to each 200 square feet and apply every month, from March to November, until the turf is perfect.

ROUTINE CARE OF YOUR LAWN

Mow twice a week, setting your machine so that it cuts the grass moderately long, especially during July and August. Do not remove clippings; if they are unsightly it shows that you do not cut often enough.

Water an established lawn only when it is needed, but give plenty during dry spells in July and August. Use an approved sprinkler and soak every three days. On established lawns watering is usually unnecessary in spring and fall.

Weeding. All soils contain seeds of weeds and many of them start to grow along with the grass; these, ordinarily, are not removed from a new lawn

at first, because mowing will kill most. Six weeks after the first cutting, however, take out whatever weeds may then be seen. It is important to dig deep down for dandelions and plantains, while for crab grass it is sufficient to cut the plant off at the ground-level. Fill all weed-holes with *Lawnspray.

Feeding. Spread *Emerald Grass Fertilizer every spring at the rate of 25 pounds per 1000 square feet, and *Sawconure, at 50 pounds per 1000 square feet, late every autumn. *Limestone every second winter, at the rate of 50 pounds per 1000 square feet, will be helpful in most sections.



Individual Grass Varieties

Of Known Quality—Maximum Purity
and Highest Germination

Agrostis Varieties or Bents

One pound contains about 4,000,000 live seeds

TRIPLE A BENT. The best type of *Agrostis tenuis*; produces a stoloniferous, deep-rooted sod. Under constant mowing, it develops a turf akin to fine, silk-like, bright green Velvet Bent. Triple A turf becomes green early in spring and retains its color late in autumn. Lb. \$1.50, 10 lbs. \$14, 100 lbs. \$125.

SEASIDE BENT or CREEPING BENT (*Agrostis palustris*). Coos County Strain. The plant is dwarf and it multiplies rapidly by sending out runners in all directions; from these new plants are produced, and these, in turn, grow more runners. The turf becomes matted, and if damaged, it heals over promptly. Lb. \$1.40, 10 lbs. \$13, 100 lbs. \$115.

RHODE ISLAND BENT or COLONIAL BENT (*Agrostis tenuis*). Native seed. Produces a turf of good color, fine texture, and resistant to drought. Lb. \$1.35, 10 lbs. \$12.50, 100 lbs. \$110.

COLONIAL BENT (*Agrostis tenuis*). Identical with native Rhode Island Bent. Makes excellent turf, and is permanent under close cutting. Our seed contains less than one-tenth of 1 per cent of weeds. Lb. \$1.70, 10 lbs. \$16, 100 lbs. \$150.

ASTORIA BENT (*Agrostis tenuis* var.). Produces a fine matted turf. Develops strong underground runners, making it a valuable soil-binder. Lb. \$1.30, 10 lbs. \$12, 100 lbs. \$105.

SOUTH GERMAN BENT or FIORIN. For many decades, good lawns and putting-greens have been sown with this seed, producing turf of fine texture. (Unable to offer—due to war.)

VELVET BENT (*Agrostis canina*). Dwarfest of the turf grasses, producing a sward of exquisite, silk-like texture. Only limited quantities of pure seed are procurable. Lb. \$7, 10 lbs. \$65.

REDTOP (*Agrostis alba*). A good pasture and hay grass and valuable as a nurse grass in lawns. Lb. 10 lbs. 100 lbs.

Fine Recleaned Seed. High germination. . . \$0 40 \$3 50 \$27 50
Superfine Sample. For specialists' use. 45 4 00 32 50
Unhulled (Commercial grade) 35 3 00 20 00

Poa Varieties

One pound contains about 2,000,000 live seeds

BIRDGRASS or SHADE BLUEGRASS (*Poa trivialis*). One of the few grasses that will grow in shaded situations. Resistant to drought. (Unable to offer—due to war.)

KENTUCKY BLUEGRASS (*Poa pratensis*). Used for all lawn purposes in the northern states. Lb. 10 lbs. 100 lbs.

Fine Recleaned Seed. High germination. . . \$0 55 \$5 00 \$40 00
Superfine Sample. For specialists' use. 65 5 75 47 50

CANADA BLUEGRASS (*Poa compressa*). Similar to Kentucky Bluegrass but of a less pleasing color. Lb. 60 cts., 10 lbs. \$5.50, 100 lbs. \$45.

ANNUAL BLUEGRASS (*Poa annua*). Dwarf plant that spreads rapidly by depositing its own seed, however closely it is mown. Produces its best turf early and late. Lb. \$1, 10 lbs. \$9.



Experimental Turf Plots at the Stumpp & Walter Co.'s testing grounds at Farmingdale, Long Island. Here research work has been carried on for many years.

Fescue Varieties

One pound contains from 500,000 to 1,000,000 live seeds

CHEWING'S FESCUE (*Festuca rubra commutata*). Produces a mat-like turf of a pleasing green color. The leaves are fine, needle-like, and bristly. Resistant to heat, drought, and hard wear. Imported seed. Lb. 80 cts., 10 lbs. \$7, 100 lbs. \$60.

CHEWING'S FESCUE, STRAIN 53-27. Quicker germinating than the type; more resistant to chinch-bug and deeper rooting. Lb. 95 cts., 10 lbs. \$8.50, 100 lbs. \$75.

CHEWING'S FESCUE, U. S. grown seed. High purity and germination. Lb. 85 cts., 10 lbs. \$7.50, 100 lbs. \$65.

FINE-LEAVED FESCUE or HAIR FESCUE (*Festuca tenuifolia*; *F. capillata*). For sowing between flagstones in the garden path. Lb. \$1.50, 10 lbs. \$14, 100 lbs. \$130.

RED FESCUE (*Festuca rubra*). European. Similar to Chewing's Fescue but usually coarser and lighter in color. Lb. 90 cts., 10 lbs. \$8, 100 lbs. \$70.

CREEPING RED FESCUE (*Festuca rubra genuina*). True strain. For fine turf. Lb. \$1.15, 10 lbs. \$10.50, 100 lbs. \$95.

CREEPING RED FESCUE, OLD'S STRAIN. See page 30. Lb. \$1.15, 10 lbs. \$10.50, 100 lbs. \$95.

SHEEP'S or HARD FESCUE (*Festuca ovina*). A wiry, stiff, gray-green grass. Lb. 90 cts., 10 lbs. \$8, 100 lbs. \$70.

MEADOW FESCUE (*Festuca elatior*). A flat, broad-leaved grass. Tall and grows quickly. Lb. 55 cts., 10 lbs. \$5, 100 lbs. \$40.

Rye Grasses

One pound contains about 300,000 live seeds

PERENNIAL RYEGRASS (*Lolium perenne*). A quick-growing, tall grass, sometimes included in lawn mixtures for speed. Valuable hay and pasture variety. Lb. 40 cts., 10 lbs. \$3.50, 100 lbs. \$27.50.

PACEY'S PERENNIAL RYEGRASS (*Lolium perenne Pacey*). A smaller-seeded, slightly dwarfer type of English Ryegrass. Lb. 45 cts., 10 lbs. \$3.75, 100 lbs. \$30.00.

SVALOF RYEGRASS (*Lolium perenne*). See page 30. Lb. 55 cts., 10 lbs. \$5, 100 lbs. \$40.

ITALIAN RYEGRASS (*Lolium multiflorum*). A coarse, tall grass; mammoth producer of hay. Lb. 40 cts., 10 lbs. \$3.25, 100 lbs. \$25.

DOMESTIC RYEGRASS. Much used as a temporary winter turf in the South. Lb. 35 cts., 10 lbs. \$2.75, 100 lbs. \$17.50

Sundry Varieties

SMOOTH BROMEGRASS (*Bromus inermis*). Height 30 inches, with creeping roots. Useful for binding embankments. A pasture grass for dry soils. Lb. 50 cts., 10 lbs. \$4.50, 100 lbs. \$35.

CRESTED DOGTAIL (*Cynosurus cristatus*). Lb. 65 cts., 10 lbs. \$6, 100 lbs. \$50.

CRESTED WHEATGRASS (*Agropyron cristatum*). A hardy, drought-resistant variety, native to the dry plains of Siberia. A coarse type, growing profusely in cold weather. Lb. 65 cts., 10 lbs. \$6, 100 lbs. \$50.

DALLAS GRASS (*Paspalum dilatatum*). A perennial hay or pasture grass for south and tropics. Lb. 85 cts., 10 lbs. \$7.50, 100 lbs. \$65.

ORCHARD GRASS (*Dactylis glomerata*). A coarse, bluish green plant, widely used for hay and pasture. Lb. 60 cts., 10 lbs. \$5.50, 100 lbs. \$45.

AKAROA STRAIN ORCHARD GRASS. See page 30. Lb. \$1, 10 lbs. \$9, 100 lbs. \$80.

REED CANARY GRASS (*Phalaris arundinacea*). For land which is continuously wet. Sow 10 pounds per acre. Lb. 70 cts., 10 lbs. \$6.

RHODES GRASS (*Chloris gayana*). A perennial forage grass for the south and tropics. Lb. 85 cts., 10 lbs. \$7.50, 100 lbs. \$65.

TALL OATGRASS (*Arrhenatherum elatius*). Lb. 50 cts., 10 lbs. \$4.50, 100 lbs. \$35.

TIMOTHY (*Phleum pratense*). A quick-growing, tall grass, for hay and pasture. Lb. 35 cts., 10 lbs. \$2.75, 100 lbs. \$17.50.

TIMOTHY, Aberystwyth, S 50 Type. See page 30. Lb. \$1.75, 10 lbs. \$16.50, 100 lbs. \$150.

TIMOTHY, Corstophine Pasture, CB 191. See page 30. Lb. \$1.75, 10 lbs. \$16.50, 100 lbs. \$150.

WHITE CLOVER (*Trifolium repens*). Used for lawns and pasture. Oz. 20 cts., ¼ lb. 45 cts., lb. \$1.35, 10 lbs. \$12.50, 100 lbs. \$110.

WILD WHITE CLOVER. Collected in old pasture areas in Kent, England. The plant is smaller and dwarfer, with fewer blossoms. (Imported seed.) Oz. 35 cts., ¼ lb. \$1, lb. \$3, 10 lbs. \$27.50.

YARROW (*Achillea millefolium*). Drought-resisting plant with delicate, fern-like leaves. When added to seed mixtures for exceptionally dry situations it often makes excellent lawns. Lb. \$3, 10 lbs. \$27.50.

Vegetables for VITAMINS and VICTORY

FOOD YOU GROW YOURSELF AIDS DEFENSE

Not many of us have land enough to produce the family's entire vegetable supply, but all of us can grow some portion of it. It is surprising how real a contribution even a small garden will make to your annual food-bill.

Vegetable-Growing Pays

You may have been told that vegetables are so cheap it does not pay to grow them, but this is no longer true; vegetable-growing is *profitable*, even on a basis of dollars and cents.

The Effort Keeps You Fit

But a cash saving is the least of the benefits that will be yours when you grow a part of your food supply. The exercise is as *healthful as golf*, as interesting and cheaper withal. After a round of gardening, try a shower and a change of clothing, and see how you feel.

Your Vegetables Have More Vitamins and Better Flavor The products of your own garden are more health-giving because the fresher vegetables are, the *more vitamins* they contain; everyone knows that newly picked vegetables have far *more flavor* than those that are days old; corn, peas, and beans are among those that are so superior when fresh picked that they are entirely different. Most commercial crops are harvested before they are quite ready, to allow them to mature on the journey from the field to your table. Yours are ripening on the plant right up to the hour that you use them.

No Risk of Food-Poisoning

Do you like the idea of strangers handling your food? Are the conditions under which it is grown sanitary? Are you nervous of contamination from impure water, infected soil or manure? You can control these in your own garden. Do you worry about your vegetables and fruits having been sprayed with arsenic? Around the home you can use insecticides that are not poisonous.

Commercial Varieties Not Necessarily the Best for You

When you grow your own, you will enjoy a quality money cannot buy. From the scores of varieties available, you can make your selection for superior flavor alone; the professional grower has to confine himself to kinds that resist the diseases which accompany mass production, that will ship satisfactorily, store well or have some other commercial advantage, which may have little relation to their palatability. To be sure of quality, grow your own.

Growing Vegetables Is a Patriotic Duty—and Is Easy

Cultural instructions for each vegetable will be found in the following pages and printed on the seed packets.

If your soil is either sandy or very tenacious, spread Humus at the rate of 10 pounds per 10 square feet and then broadcast General Garden Fertilizer at the rate of $\frac{1}{4}$ to $\frac{1}{2}$ pound to each 10 square feet.

If you decide that the Humus is not needed, do not omit the General Garden Fertilizer. Dig the land, turning each spadeful, then rake smooth and plant. Repeat the digging and fertilizing when your

summer gardening is over, and, some time during winter, broadcast $\frac{3}{4}$ pound garden lime per 10 square feet.

Sow seed, or put your plants out, in rows; these should be wide enough to allow you to walk between them. Remove seedlings where they crowd, so that your plants are the distance apart that is suggested in the cultural notes. Hoe between the plants every ten days, but before you hoe dust General Garden Fertilizer on the surface of the soil, so that your cultivation sends it under.

Simple Sorts and Some Not-So-Simple

Easily grown vegetables are:

Beans T 18-24	Endive H 18	Onion H 12	Salsify H 18
Beet H 18	Kale H 24	Parsley H 18	Scorzonera H 18
Broccoli H 30	Kohlrabi H 18	Parsnip H 18	Spinach H 18
Cabbage H 24	Leek H 18	Peas H 24-40	Swiss Chard H 18
Carrot H 18	Lettuce H 18	Pepper T 18	Tomato T 24
Corn T 24-36	Muskmelon T 72	Pumpkin T 100	Turnip H 18
Cucumber T 40	Mustard H 18	Radish H 12	
Eggplant T 24	N. Z. Spinach T 24	Rutabaga H 18	

T=tender; H=hardy. Figures indicate inches between rows, hills or plants.

Vegetables that need more care are:

Asparagus Cauliflower Celery Chicory Mushrooms Sweet Potatoes

Succession and Companion Cropping Save Space

Arrange your plantings to get a continuous supply throughout the season, rather than a large amount at one time. Make sowings of the following short-season sorts every few weeks, for what is termed *succession cropping*.

Bush Beans	Carrot	Cucumber	Lettuce	Radish	Swiss Chard
Beet	Cress	Endive	Mustard	Spinach	Turnip

Crowd quick *companion* crops, like lettuce, between slow kinds, like cabbage. Quick ones mature before others need the room.

To Get the Most from a Vegetable Plot

- (1) Dig and rake the earth. Work in General Garden Fertilizer, allowing $\frac{1}{4}$ pound to $\frac{1}{2}$ pound per 10 square feet.
- (2) Before May 15, sow in rows seeds of any of the "Simple" sorts that are marked "H" in the list to the left. The figures show the number of inches that you allow between rows. If you prefer, put out *plants* of cabbage or broccoli; numbers tell you the distance between plants.
- (3) After May 15, sow in rows seeds of varieties marked "T". If you prefer, put out *plants* of tomato, pepper and eggplant. Corn, cucumber, muskmelon and pumpkin are usually grown in groups or "hills" of 3 to 5 plants; 6 to 10 seeds are sown to each hill, seedlings being removed to leave the desired number. Figures indicate inches between hills.
- (4) Broadcast fertilizer and hoe between the rows every two weeks. Pull weeds. Remove surplus plants to avoid overcrowding.
- (5) Support tall things with stakes.
- (6) As soon as one crop has been gathered, dig under more Fertilizer, and sow one of the succession crops listed on the left.

Read the cultural notes for each vegetable on the following pages; complete instructions are also on our seed packets.

You can *buy* the plants suggested above, but it is more thrifty to *raise* them indoors against a sunny window, sowing seeds in March in sandy soil. Raise plants outdoors of cabbage or broccoli for succession planting later.

When sowing seeds, try to cover them with a layer of soil no thicker than twice their diameter.



VEGETABLES

*for Vitamins
and Victory!*

COLLECTIONS OF VEGETABLE SEEDS

Save Time and Money

Subsistence Garden Collection D

Thirty distinct units of seed, supplying the major high-nutrition vegetables for a family of two to four.

Sufficient seed to allow for companion and succession crops, getting the maximum yield from a garden of approximately 1250 sq. ft., say 25 by 50 ft. Planting plan enclosed in this collection is shown; directions also accompany seed.

Delivered anywhere in the U. S.
(Catalogue value \$5.80) **\$5.00**

CONTENTS

Beans	Lettuce
1/2 lb. Green Bush	Pkt. Spring Head
1/2 lb. Bush for canning	Pkt. Autumn Head
1/2 lb. Wax-Pod Bush	Pkt. Romaine
Lb. Dwarf Lima	Pkt. Curly All-Leaf
Oz. Early Beet	Pkt. Curled Parsley
Oz. Main-crop Beet	Oz. Parsnip
Pkt. Early Cabbage	Pkt. Round Radish
Pkt. Late Cabbage	Pkt. Long Radish
Pkt. Early Carrot	Pkt. Rutabaga
Pkt. Late Carrot	Pkt. Spring Spinach
Pkt. Midget Corn	Pkt. Summer Spinach
Pkt. Golden Cross	Oz. New Zealand
Bantam Corn	Spinach
Pkt. Cucumber	Oz. Swiss Chard
Oz. Endive	Pkt. Tomato
Pkt. Onion	Pkt. Turnip

Modified Collection DM (some varieties changed, but equal in value), delivered to individual address in Great Britain and Northern Ireland.....**\$6.00**

Modified Collection DM to points in the Irish Free State.....**\$6.20**

OUR GARDEN PLANS show how the most food can be produced on a small area. With wider rows and without companion and succession crops, a space several times the size indicated could be planted with these collections.

SEND SEEDS TO YOUR BRITISH FRIENDS

We offer *modified collections* for delivery to Great Britain and northern Ireland, omitting the varieties not normally grown outdoors there, and beans, pole beans, beet, carrot, onion, parsnip, peas and turnip added or increased to equal in value the kinds they replace. Cultural directions enclosed in each package. Merely tell us the collection you wish to send (DM, EM or F), give us your friend's address: we do the rest.

DELIVERY IS GUARANTEED. Should a collection fail to reach the addressee, the amount paid will be refunded.

We will be glad to quote on seeds delivered to any country where the parcel-post operates, in addition to the British Isles.

Suburban Garden Collection E

Forty-two distinct varieties, supplying nearly all the vegetable food needed by a family of five to eight, with some surplus for canning and winter storage.

Sufficient seed to allow for companion and succession crops, getting the maximum yield from a garden of 2500 sq. ft., more or less; say 25 by 100 ft., or 50 by 50 ft. Planting plan and directions included.

Delivered anywhere in the U. S.
(Catalogue value \$11.35) **\$9.50**

CONTENTS

Lb. Green Bush Beans	Pkt. Autumn Head
1/2 lb. Bush Beans for canning	Lettuce
Lb. Wax-Pod Bush	Pkt. Romaine Lettuce
Beans	Pkt. Curly All-Leaf
Pkt. Climbing Beans	Lettuce
2 lbs. Dwarf Lima Beans	Pkt. Mustard Spinach
Oz. Early Beet	(Tendergreen)
Oz. Main-crop Beet	1/2 oz. Onion
Oz. Winter-storage	Pkt. Curled Parsley
Beet	Oz. Parsnip
Pkt. Broccoli	Lb. Early Dwarf Peas
Pkt. Early Cabbage	Lb. Late Dwarf Peas
Pkt. Late Cabbage	Pkt. Sweet Pepper
1/2 oz. Early Carrot	Oz. Round Radish
1/2 oz. Late Carrot	Oz. Long Radish
Pkt. Midget Corn	Pkt. Rutabaga
1/2 lb. Golden Cross	Pkt. Salsify (Oyster Plant)
Bantam Corn	Oz. Spring Spinach
Pkt. Cucumber	Oz. Summer Spinach
Oz. Endive	Oz. New Zealand
Pkt. Kale	Spinach
Pkt. Kohlrabi	Pkt. Summer Squash
1/2 oz. Leek	Oz. Swiss Chard
Pkt. Spring Head	Pkt. Tomato
Lettuce	Oz. Turnip

Modified Collection EM (some varieties changed, but equal in value), delivered to individual address in Great Britain and Northern Ireland.....**\$11.25**

Modified Collection EM to points in the Irish Free State.....**\$11.90**

War Garden Collection F

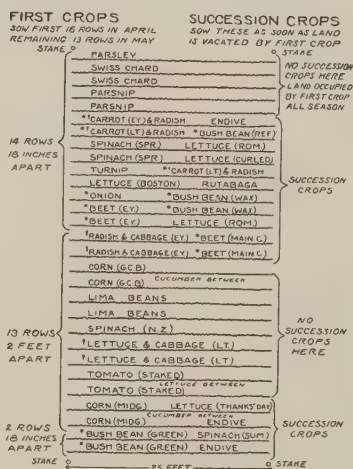
The five basic food-seeds that are scarcest in Britain; equally valuable in this country. Planting plan and directions included. Delivered anywhere in the U. S. A. **\$1.00**

CONTENTS. 1/2 lb. Green Bush Beans, lb. Late Dwarf Peas, pkt. each Climbing Beans, Early Carrot, Onion.

Collection F. Delivered to individual address in Great Britain and Northern Ireland.....**\$1.60**

Collection F. Delivered to points in the Irish Free State.....**\$1.80**

This is the Plan that we enclose in Collection D



*Make each row of bush beans, beets, carrots, and onions a double one, the rowlets 4 inches apart.

†Sow radishes sparingly in the same drill with carrot; pull all radishes when ready.

‡Sow radish and lettuce, any variety, sparingly in drill; leave 3-inch gaps every 2 feet; put 2 or 3 cabbage seeds in each gap; thin to one cabbage per gap later.

•Transplant thinnings of lettuce sown in April.

For earlier crops, tomato and cabbage plants may be raised indoors, though seed sown in the open ground will yield well same year.

Remove surplus plants of all vegetables before they crowd. Use onion, endive and lettuce thinnings for salad; use beet, cabbage, radish, rutabaga, swiss chard and turnip thinnings for boiled greens.

NOTE. A similar plan accompanies Collections E and F.

Here are the extra spaces needed if you decide to add the following crops to your garden. They are offered elsewhere; please consult the index.

100 Asparagus ...	300	12	Fruit Bushes.	100
1 pk. Seed Potatoes	1000	6	Grape Vines .	200
12 Rhubarb	100	100	Strawberries.	200

Owing to crop shortages it may be necessary to make minor changes in these collections. In no case, however, will they mean a reduction in value

STUMPP & WALTER CO.

Vitamin-filled Snap Beans

½ lb. equals about ½ pint; 1 lb. equals about 1 pint; 2 lbs. equal about 1 quart; 15 lbs. equal about 1 peck.

Bush Beans

Sow twice monthly for succession; you will then gather all summer

One pound will plant 100 feet of drill

CULTURE. Plant as soon as danger of frost is over, placing the seeds 2 to 3 inches apart in drills and about 2½ inches deep. The rows should be about 2½ feet apart, and the soil slightly hilled, to insure good drainage and to keep the Beans from touching the ground. Most Beans should be picked when about 4 inches long. Avoid cultivating, walking among or picking when bushes are wet, as this may cause disease.

Green-Pod Bush Beans

Yield in from 8 to 10 weeks

Streamliner. Robust new variety that resists cold; the abundant, flattish pods average 7 inches in length, are stringless and of fine quality. If you have a surplus you may let the seeds ripen; they are white and make excellent Shell Beans. Pkt. 15 cts., ½ lb. 35 cts., lb. 60 cts., 2 lbs. \$1.10, 5 lbs. \$2.50.

Plentiful. This is similar to Bountiful, but the Beans are thicker, longer, straighter, and darker in color. They are also more nearly stringless, very tender and of wonderful flavor. An extremely prolific sort which matures in 50 days and is definitely resistant to rust. This is an excellent Bean. Pkt. 15 cts., ½ lb. 35 cts., lb. 60 cts., 2 lbs. \$1.10, 5 lbs. \$2.50.

Tendergreen. Handsome, 6-inch, round-podded Beans, entirely without strings at all stages of growth, and of fine melting flavor. We recommend it highly. Pkt. 15 cts., ½ lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2.10, 15 lbs. \$5.25.



Giant Stringless Green-Pod Bush Beans

GREEN-POD BUSH BEANS, cont.

Bountiful. Very prolific and a continuous bearer. It is tender, of delicious flavor, and stringless if the flat pods are gathered when no more than 4½ inches long. Bountiful is resistant to rust. Pkt. 10 cts., ½ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

Stringless Green-Pod. Splendid first-early round-podded Bush Bean. Entirely stringless; averages 5 inches long and is slightly curved. ½ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Giant Stringless Green-Pod. Favorite market variety. Pods are an inch longer than Stringless Green-Pod. ½ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

Stringless Black Valentine. A fine improvement on the Black Valentine. It is a heavy yielder of stringless, green, pencil-shaped, thick, meaty Beans of finest flavor. Pkt. 10 cts., ½ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

Black Valentine. Matures early, producing long, round, straight pods which are tender when young. A good heat-resister. ½ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Dwarf Horticultural. Pods medium length, slightly curved, and when nearly developed are splashed with bright red on yellow. The green-shelled Beans are tender, and fine flavored. ½ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

Red Valentine. ½ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

Refugee Beans for Eating Fresh or for Canning

Sow in summer for late crop

ALL-AMERICA BRONZE MEDAL

Medal Refugee. Pods are slightly curved, nearly round in section and about 4 inches long, fleshy, brittle and stringless. Resistant to disease. Remarkable both for high yield and excellent quality. Pkt. 25 cts.

Stringless Refugee. A very heavy cropper; its flavor is wonderful and it is absolutely stringless. Valuable for immediate use, for pickling or for canning. ½ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

Refugee or 1000-to-1. ½ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

See page 12 for Lima Beans, and varieties for growing under glass

Wax-Pod Bush Beans. Yield in from 8 to 10 weeks

Sure-Crop Stringless. Large plant with a strong, thick stem, standing up well during stormy weather. Bears an abundance of large, handsome, golden yellow pods which are quite stringless. Sure-Crop is resistant to rust. ½ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts., 5 lbs. \$1.90, 15 lbs. \$4.35.

Hardy Wax. Bears large crops of slightly curved deep yellow pods of excellent, brittle quality. ½ lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2.10, 15 lbs. \$5.25.

Black Wax. Round pods; early and good. Pkt. 10 cts., ½ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.



Medal Refugee Beans

Pole Snap Beans

One pound plants 200 hills

CULTURE. Erect stout poles 3 feet apart; sow eight Beans in a circle around the base after danger of frost has passed; thin to five plants per pole. Or you may grow them against a wire fence.

ALL-AMERICA SILVER MEDAL

Decatur. Vigorous novelty, climbing 6½ feet and covered with dark green, high-quality pods, round in section and stringless. Seeds are small and white. Resistant to disease, it is recommended for garden and commercial use. Pkt. 25 cts.

Old Homestead (Green Kentucky Wonder). The pods are tender, stringless when young and silvery green, hanging in clusters throughout the plant. Begins to yield in ten weeks, and thereafter is a continuous bearer. Pkt. 10 cts., ½ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

Scarlet Runner. Has scarlet flowers. The green pods, though containing strings, are probably the best flavored of any Bean. Pkt. 15 cts., ½ lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2.10, 15 lbs. \$5.25.

Yard-Long Asparagus. Long, narrow, rounded pods. Pkt. 20 cts., ½ lb. 50 cts., lb. 85 cts., 2 lbs. \$1.65, 5 lbs. \$3.75.

Golden Cluster Wax. Pkt. 10 cts., ½ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

Brittle Wax. The earliest Wax Bean; also a great cropper. The bushes are hardy, while the pods are fleshy and entirely stringless. They are of fine flavor, round and solid, tender, brittle and entirely stringless. The ripened seeds make excellent Shell Beans. Pkt. 15 cts., ½ lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2.10, 15 lbs. \$5.25.

Golden Wax. A good Bean with flat-section pods; these are large, devoid of strings, tender and of excellent flavor. An old-time variety, reliable, and still among the best. ½ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

BE SURE your land contains enough nitrogen-fixing bacteria to support growth. Play safe by using **LEGUME-AID**. Enough to treat up to 15 pounds of Beans. 35 cts.

DWARF LIMA BEANS

One pound will plant 50 to 100 feet of drill. Yield in from 12 to 14 weeks.

CULTURE. Sow Lima Beans after danger of frost is over and the soil is thoroughly warm. Sow Bush sorts in rows 2 feet apart and about 3 inches deep, putting the Beans 2 inches apart in the row "eye down," later thinning so that the plants stand 6 to 8 inches apart. For Pole varieties put six seeds in each hill, arranging the hills 3 feet apart each way. They require a pole 7 feet high, and when the vines have reached the top, pinch them and so increase the yield. Some gardeners plant under glass and transplant about the time seeds are usually sown. Limas always do best on a nice, rich, loamy soil.

Baby Potato. Awarded the Silver Medal for outstanding quality in the All-America Seed Selections for 1939. A sturdy plant and a great producer of Beans which are somewhat smaller than those of Fordhook. The pods which contain them are small, also, so the variety is possibly of more interest to the amateur than the commercial grower, but its refined flavor alone will warrant its adoption by the marketman. Pkt. 15 cts., $\frac{1}{2}$ lb. 35 cts., lb. 65 cts., 2 lbs. \$1.25, 5 lbs. \$2.75.

Fordhook. A dwarf form of the popular Challenger or Potato Lima, and earlier. Pods measure 4 to 5 inches, frequently containing 4 fine Beans of medium size, thick, meaty, of the finest flavor, and very tender. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., lb. 55 cts., 2 lbs. \$1, 5 lbs. \$2.25, 15 lbs. \$5.50.

Early Giant. A quick-growing variety. The short period in which this Bean matures enables it to be grown for succession, sowings being made from May 15 to July 10 in the neighborhood of New York. The flavor of this variety is particularly refined, and the Beans are large, thick, and flat. Pkt. 15 cts., $\frac{1}{2}$ lb. 30 cts., lb. 55 cts., 2 lbs. \$1, 5 lbs. \$2.25, 15 lbs. \$5.50.

Improved Bush. A fine Bush Lima with pods filled with larger and thicker Beans, which are ready for picking very early. $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

Henderson Bush. Beans are small, but are produced in quantity. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

POLE LIMA BEANS

One pound will plant 50 hills. Yield in from 13 to 15 weeks.

S. & W. Co.'s Green-seeded. Vigorous, branched vine, producing an abundance of pods, which are closely filled with large, broad-seeded, green Beans. It is finer flavored and more tender than white-seeded varieties. Pkt. 15 cts., $\frac{1}{2}$ lb. 30 cts., lb. 55 cts., 2 lbs. \$1, 5 lbs. \$2.25, 15 lbs. \$5.50.

Sunnybrook. Very productive and of wonderful flavor. It is probably the quickest of all the Pole Limas to mature, and it is covered from ground to top with pods containing 4 or 5 fine Beans of quite the best quality, tender and sweet. $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2.10, 15 lbs. \$5.25.

Challenger or Potato, Improved. Early and prolific. A small thick Bean of excellent flavor. $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2.10, 15 lbs. \$5.25.

Ford's Mammoth. Beans flat and large. $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

Early Leviathan. Early variety with pods in clusters. Splendid where the season is short. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.



Mary Washington Asparagus

Beans for Growing Under Glass

The Prince. New sort, quick to mature and cropping enormously. The pods are without strings, meaty, of fine flavor, 11 to 12 inches long. Pkt. 20 cts., $\frac{1}{2}$ lb. 45 cts., lb. 75 cts., 2 lbs. \$1.45, 5 lbs. \$3.50.

S. & W. Co.'s Wonder. Of fine color and refined flavor. Round, 6-inch pods are borne in great abundance. $\frac{1}{2}$ lb. 35 cts., lb. 65 cts., 2 lbs. \$1.25, 5 lbs. \$2.75.

Maggie. Plant is stocky, and resistant to rust. The pods are long, meaty, and of the finest flavor. $\frac{1}{2}$ lb. 35 cts., lb. 65 cts., 2 lbs. \$1.25, 5 lbs. \$2.75.

Masterpiece. Strong, quick grower and very prolific, the pods attaining a length of over 7 inches, straight, tender, meaty and stringless. Bean thick-flat. $\frac{1}{2}$ lb. 35 cts., lb. 60 cts., 2 lbs. \$1.10, 5 lbs. \$2.50.

Broad (Fava) Beans

They like cold and should be planted early. Spray continuously against aphid and blight. Not recommended for the home garden.

English Windsor. Heavy pods produced in pairs with 3 or 4 large Beans. $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2.10, 15 lbs. \$5.25.

Beans for Baked Beans

Grow until fully ripened; then shell.
Pea or Navy. $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 2 lbs. 55 cts., 5 lbs. \$1.25, 15 lbs. \$3.25.

Red Kidney. $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 65 cts., 5 lbs. \$1.50, 15 lbs. \$3.50.

Edible Soy Beans

If you have plenty of room, grow this new 30-inch high crop, the yield of which is so high in proteins and fats. Send for our leaflet "Soy Beans as a Garden Crop."

Sawco Selected. An excellent variety. $\frac{1}{2}$ lb. 35 cts., lb. 60 cts., 2 lbs. \$1.10, 5 lbs. \$2.50.

ASPARAGUS

One ounce of seed plants 50 feet of drill

CULTURE. Sow in drills at least $1\frac{1}{2}$ feet apart and thin so that plants do not overcrowd. When a year or more old, dig and replant in a prepared bed, as suggested under "Asparagus Roots."

Mary Washington. Asparagus is often damaged by rust. To control it plant Pedigreed Mary Washington, the most rust-resistant type we know. Seed, pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Asparagus Roots

A plot 6 feet wide and 50 feet long will be sufficient to plant 100 roots, enough for an ordinary family.

CULTURE. Dig a trench $1\frac{1}{2}$ feet deep and 1 foot wide, and fill in about 4 inches with well-rotted manure; tread down firmly. On this put about 5 inches of good, rich soil, and then lay the roots in, about 18 inches apart, taking care to spread well, having the crown in an upright position. Cover to within 4 inches of the top of the trench and, as the plants grow, gradually fill the trench to the surface. For spacing between the rows allow 2 feet. Let the plants grow two full seasons before cutting.

Paradise. This fine, new variety has quickly become popular with commercial growers and should appeal equally well to the amateur. It is a remarkably heavy producer and the stalks are very large—often only seven or eight to a pound bunch. The flavor of the tender stalks is unusually good. Large, two-year old roots, \$5 per 100, \$40 per 1000.

Mary Washington. Rust-resistant, particularly vigorous, and of wonderful quality. Produces large cuttings of colossal shoots, straight, dark green in color, and with a heavy purple overtone; the tight, firm tips do not begin to open out until well out of the ground. Extra-choice 2-yr crowns, \$3.50 per 100, \$30 per 1000. Selected 3-yr. crowns for forcing, \$6 per 100, \$50 per 1000.

Conover's Colossal. A mammoth bright green sort, the tips of which are often tinged purple. Very tender and of good quality—quite the best of the older standard kinds. \$3 per 100, \$27.50 per 1000.

Purchaser pays transportation beyond 50 miles on Roots

ARTICHOKES

Globe Artichokes

One ounce will produce 500 plants

The scales and base of the flower-buds are eaten, either boiled, or raw as a salad. The young stems are sometimes tied together and blanched and served in the same manner as asparagus. The plants thrive best in deep, rich soil where water will not lodge in winter-time. Sow seeds indoors, and set out in May, in rows 3 feet apart, leaving 2 to 3 feet between the plants. Cover with leaves in winter. Usually bears the second year.

Large Green Globe. Pkt. 25 cts., $\frac{1}{2}$ oz. 85 cts., oz. \$1.50.

Jerusalem Artichokes

Artichoke Tubers. Distinct from the Globe, and grown for the potato-like tubers. Plant in rows, 3 feet apart and 1 foot apart in the row; cultivate occasionally. Allow the tubers to remain in the ground until needed. They are excellent served boiled, like new potatoes. Qt. 50 cts., pk. \$3. Purchaser pays transportation beyond 50 miles of New York.

RED BEETS

One ounce will plant 100 feet of drill; 5 to 6 pounds, an acre.
Yield in from 8 to 11 weeks.

CULTURE. Seed may be sown from early spring to mid-July. The ground should be spaded well and deep, placing rows about 18 inches apart, and the drills 1 inch deep. Cover the seed carefully and firm in the ground by walking over the drills. When seedlings appear about 3 inches above ground, thin out to about 4 inches between the plants so as to give ample room for the proper development of the roots. Beets are best for pulling when about 2 inches in size.

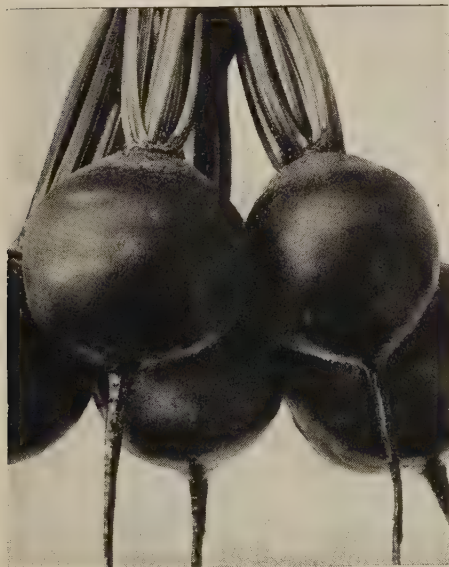
Round Types

Good for All. Wonderfully refined flavor, without earthiness and woodiness; uniformity in shape; regularity in size and color—these are the outstanding qualities of this Beet. A perfect globe, smooth and even. The foliage is sparse and short—barely a foot—and gray-green. Flesh is very free from rings or zones, being a uniform deep crimson-vermilion. Special Mention, All-America Seed Trials, 1934. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$3.25.

Crimson Globe. In about 70 days from planting, one-fourth of the Beets in the Crimson Globe row will be ready for table use. They do not all come to eatable size at the same time, some growing faster than others, thereby lengthening the period of perfection. Flesh bright red with light purple zones. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.50.

Green-Top Bunching. An early type, the bulbs of which reach a diameter of 3 inches in about seven weeks, are slightly flattened and of excellent table quality, free of objectionable fiber. The flesh is almost solid blood-red, while the foliage is a definite gray-green. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.50.

Detroit Dark Red, Exhibition Strain. This is specially reselected for depth of color, uniformity of shape, and general refinement. It is developed particularly to meet the requirements of the exhibitor and market gardener. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.20, lb. \$3.50.



Good for All Beets

ROUND TYPES, continued

Detroit Dark Red. The round, dark red globe roots are uniformly smooth. The flesh of the very young Beets is almost black-red, turning to dark crimson with dark purple zones as the Beets grow larger. When cooked, the Beets are of an appetizing dark red and very sweet. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.75.

Sawco Wonder. An improved Early Wonder Beet which was given a gold medal rating by the All-America Selections Committee in 1934. Has all of the fine qualities of Early Wonder, but has, in addition, a fine dark-colored flesh, exceptionally tender and sweet. Pkt. 15 cts., $\frac{1}{2}$ oz. 25 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.20, lb. \$3.50.

Early Wonder. A variety which may be sown early, and will mature very rapidly. It is so uniform in growth that the crop can be lifted practically at one time. The root is nearly globular in shape, slightly flattened. The leaves are of medium size, and the color of the flesh is deep blood-red; sweet and free from strings. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.75.

Crosby's Original Egyptian. The smooth, dark red roots are topped with light green foliage, which is prominently speckled with dark red. The flesh is carmine, handsomely marked with white zones, very tender and of uniformly sweet quality. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.75.

Eclipse. An extra-early sort which produces Beets sixty days from sowing. Of uniform, dark rosy red; top-shaped; easily pulled. Flesh dark purplish red with rose zones; remains in table condition for ten days. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.

Extra-Early Egyptian. A variety which grows very quickly, producing roots of fine quality, flat and smooth. They are pulled when 2 inches in diameter. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.

S. & W. Co.'s Winter Keeper. A distinct strain of a main-crop, globe-shaped Beet produced by many years of painstaking selection. Two leading characteristics of this Beet are: the uniformly excellent flavor of its flesh and the remarkable manner in which this quality is preserved during winter storage. Beets are almost globe-shaped, tapering somewhat toward the root. The flesh is dark red, sweet and tender. A portion of the crop may be stored in a cellar or pit until spring. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.20, lb. \$3.50.

Long Type

Long Blood. (Out of ground.) Late variety, the root of which is over a foot long. Five inches of this grows out of the ground. The flesh is deep red in color, sweet, and of high quality; it keeps through into the winter, and its size and shape obviously make it the most economical. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.75.

COW BEETS (Mangels) and SUGAR BEETS. See page 28.

CARDOON

Grown like celery. Sow in May and transplant 3 feet apart. Three weeks before using, the heads are tied, straw is piled, and soil heaped against the straw to blanch them. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 90 cts.



Italian Market Broccoli

BROCCOLI

One ounce will produce about 3000 plants.
Takes about 9 weeks from seed.

Italian-Market. Delicious vegetable, like cauliflower but a more distinct flavor. Produces a compact, bluish green head. After this is cut, the plant produces side shoots, each bearing a small head. May be sown February to July. Pkt. 25 cts., $\frac{1}{2}$ oz. 65 cts., $\frac{1}{2}$ oz. \$1, oz. \$1.50.

Broccoli-Rape. (Non-heading.) Delicious cooking green, popular with Italian growers. Leaves are smaller and thinner than Broccoli and the buds are not in such tight heads. Plant is ready for the kitchen when first bud breaks into its yellow flower. Pkt. 15 cts., oz. 85 cts.

BRUSSELS SPROUTS

One ounce will produce about 3000 plants.
Yields within 17 weeks of sowing seed.

S. & W. Co.'s Favorite. A half-dwarf strain of this fine vegetable, thickly covered with crowded, tight Sprouts, tender and delicious. Pkt. 20 cts., $\frac{1}{2}$ oz. 75 cts., oz. \$1.25, $\frac{1}{4}$ lb. \$3.50.

Cambridge 5. New type from England, strong and stocky; you will find every plant heavy with the most refined sprouts you have ever enjoyed, larger and extremely tight. Pkts. only, 50 cts. each.

CHERVIL

One ounce will plant 150 feet of drill

CULTURE. Treat and use like parsley, for garnishing and flavoring soups and salads. This is an ingredient in the chef's mixture of "Fines Herbes."
Moss Curled Extra. Pkt. 20 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1.

COLLARDS

One ounce will produce about 3000 plants.
About 5 weeks from seed to cutting

Georgia. A leafy plant with a large, loose head. In the South it is widely used as a cooked vegetable. Sow seeds at any time; remove surplus plants to avoid overcrowding. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.



S. & W. Co.'s Rubicore Carrots

CARROTS

One ounce will plant 100 feet of drill

CULTURE. Sow from March to July in drills $\frac{1}{2}$ inch deep and 14 inches apart; thin out to 4 inches.

Best Early Kinds

Yield in from 9 to 10 weeks

Rubicore. A new, early Carrot, deep orange-red, and the small core is almost the same color, which it retains in cooking, and it is as tender and sweet as the root itself—as “coreless” as a Carrot can be. The roots are $5\frac{1}{2}$ to 6 inches long, 2 to $2\frac{1}{2}$ inches at the shoulder, narrowing gradually to a blunt end. Pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.85.

S. & W. Co.'s Melting Marrow. A specially fine half-long variety that is cylindrical in shape and of wonderful butter quality. The skin is smooth and the fine red color is carried through the entire root. This splendid Carrot is recommended also for exhibition purposes. The best Carrot from the culinary standpoint. Pkt. 15 cts., $\frac{1}{2}$ oz. 40 cts., oz. 70 cts., $\frac{1}{4}$ lb. \$2.

French Forcing. Largely grown under glass. It makes a small, almost globe-shaped root of an orange-red color. Pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.85.

Selected Chantenay. A splendid type of the half-long, stump-rooted Carrot. Quick to grow, it averages $5\frac{1}{2}$ to 6 inches in length, broad at the neck, narrowing gradually to a blunt end. The flesh is rich orange-red, free from core, tender, fine flavored, and of excellent table quality. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Greater Chantenay. Has all the palatability, tenderness, fine color, and speed of our regular strain of Chantenay, but the roots are fully $1\frac{1}{2}$ inches longer. Pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.85.

Half-Long Scarlet Nantes. The skin is smooth, flesh red, and without any core. It is excellent for forcing and general use, and for quality it cannot be surpassed. Pkt. 15 cts., $\frac{1}{2}$ oz. 40 cts., oz. 70 cts., $\frac{1}{4}$ lb. \$2.

Oxheart or Guerande. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.35.

Late Varieties

Yield in from 11 to 13 weeks

S. & W. Co.'s Imperator. Rich red color, of high culinary quality, free of core and fiber. An elongated Danvers type, round-shouldered, almost cylindrical for the first 6 inches, then gradually tapering to a point. Fine commercial sort, and excellent for the private estate or home-garden. Pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.85.

Streamliner. In developing this Carrot, quality and flavor have been given as much attention as the needs of the commercial grower. Its deep color, with a slightly deeper core, its tenderness and its sweet flavor commend it to the home gardener. It is easier to pull, bunch, and wash, and it looks wonderful, so it just fits the market-man's requirements also. Pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.85.

Selected Danvers. A handsome, tapering cylindrical Carrot of good size. Dark orange, of excellent table quality, smooth and has little core. Yields a greater weight per acre than almost any other variety. Selected stock for market gardeners and home use. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Tendersweet. Gradually tapering, handsome, blunt-ended roots, about 9 inches long, and fine, deep orange-red in color. They are exceptionally sweet, tender and of high quality. Foliage is dark, with bluish stems. Pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.85.

Long Red Surrey. Larger, better-flavored, and of a deeper orange color than most other types; flesh sweet and tender, never hard or woody. The smooth, even-shaped roots are of good size, 6 to 8 inches in length and 2 inches in diameter at the top, tapering gradually to the tip. Pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.85.

Long Orange Improved. It grows 12 inches long and 3 inches in diameter. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

New Red Intermediate. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Two Carrots for Prize Winning

Exhibition Chantenay and Exhibition Danvers. Two strains of these standard varieties that have been specially grown and selected for exhibition. Each, pkt. 15 cts., $\frac{1}{2}$ oz. 40 cts., oz. 70 cts., $\frac{1}{4}$ lb. \$2.

CABBAGES

One ounce will produce about 3000 plants

CULTURE. Sow early kinds in hotbeds in February and March, and in the open ground during April and May. Late varieties for fall and winter use should also be sown in May. Plant 2 feet apart in each direction. Cabbages require good soil.

Early and Midseason Sorts

Yield in from 9 to 12 weeks

Golden Acre. A small but very fine variety. Early, and with round, solid, well-blanching heads. The few outer leaves are small, permitting close planting. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

Improved Early Jersey Wakefield. One of the best early Cabbages. The heads are hard, solid, and pointed, with just a few outside leaves. Pkt. 10 cts., $\frac{1}{2}$ oz. 35 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$1.75.

Charleston or Large-Type Wakefield. Retains all the characteristics of the Improved Early Jersey Wakefield with the added advantage of greater size. Pkt. 10 cts., $\frac{1}{2}$ oz. 35 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$1.75.

EARLY AND MIDSEASON CABBAGE, continued

Babyhead. The head is less than 6 inches across, round, firm, and of splendid mild cooking quality. The outer leaves are few and small. The first to reach the table when grown outdoors. Pkt. 25 cts.

Copenhagen Market. The stem is short, the head round and solid. The heaviest of the extra-early varieties, and if left until fully mature, frequently weighs 8 to 10 pounds. The leaves are small, compact and close to the head, so it will stand close planting. The inside is fine-grained and tender. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

Succession. A splendid second-early, round-headed sort. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.

Yellows-Resistant Globe. Similar to Copenhagen Market and a few days later. Specially bred to resist disease. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

S. & W. Co.'s Famous Early Conical. Pkt. 20 cts., $\frac{1}{2}$ oz. 45 cts., $\frac{1}{2}$ oz. 75 cts., oz. \$1.35, $\frac{1}{4}$ lb. \$4.

Late Cabbages

Yield in from 14 to 16 weeks

Danish Ballhead. A large Cabbage. The round heads are very solid, fine-grained and sweet-flavored. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 80 cts., $\frac{1}{4}$ lb. \$2.25.

Large Late Flat Dutch. Fine for winter use. Pkt. 10 cts., $\frac{1}{2}$ oz. 35 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$1.75.

Danish Drumhead. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 80 cts., $\frac{1}{4}$ lb. \$2.25.

Savoy Cabbage

Yield in from 12 to 13 weeks

American Drumhead Savoy. The round, wrinkled heads are solid, large, and well shaped, and in table quality they resemble the better garden Cabbages. Pkt. 10 cts., $\frac{1}{2}$ oz. 45 cts., oz. 80 cts., $\frac{1}{4}$ lb. \$2.25.

Odorless Savoy, Cornell Early. Crinkled, dark green foliage. Heads average 2 pounds in weight and mature in two and one-half months from transplanting. Crisp, succulent variety; with mild, appealing flavor. Odorless while cooking. Pkt. 25 cts., $\frac{1}{2}$ oz. 75 cts., oz. \$1.25.

Red Cabbages

Yield in from 11 to 15 weeks

Mammoth Rock Red. This is the best, largest and surest heading Red Cabbage. The plant is handsome, with numerous spreading leaves, large, round, and very solid heads. Pkt. 10 cts., $\frac{1}{2}$ oz. 45 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.

Early Red. A small early sort. Very refined and uniformly dark red. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

Chinese or Celery Cabbages

Yield in about 11 weeks

A desirable vegetable, nearer to Mustard than Cabbage, palatable and healthful. A cool-weather crop; sow early in spring, or in August for late autumn cropping.

Pe-Tsai. (Chihli Strain.) Looks like a long Cos Lettuce, but its crisp leaves and mid-ribs have a Cabbage flavor. Pkt. 10 cts., $\frac{1}{2}$ oz. 35 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$1.75.

Wong Bok. A very compact plant, short and broad. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

CELERY-BLEACHING TUBES

simplify the culture of this plant. In the 13-inch size they cost \$4 per 100. See Implement Section for prices of other sizes.

CRISP CELERY

One ounce will produce 3000 plants.

Early sorts take around 15 weeks, late sorts about 18 weeks.

CULTURE. Sow the seed in a coldframe, or in a dry border as early as the ground can be worked. Transplant or thin out 5 to 6 inches apart, and allow to grow until wanted for setting out into the beds or trenches in July. Rows or double rows should be 3 feet apart and the plants set about 8 inches apart in the row. Two to three weeks prior to harvesting, the plants should be boarded or earthed up to blanch them.

Early Quick-Blanching Varieties

Golden Plume. The improvements over Golden Self-blanching are (a) superior flavor, (b) wonderful color, (c) resistance to blight and rust, (d) earlier maturity, (e) superior keeping qualities, (f) increased size. It possesses a nutlike flavor, and is handsome in appearance. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25, $\frac{1}{2}$ oz. \$2, oz. \$3.50.

Golden Treasure. This finds the greatest favor today in the New York market. A reselection from Golden Plume whereby a taller type has been produced, and the head is thicker. Flavor is most refined. Preferred to the standard sort by some. Pkt. 30 cts., 4 pkts. \$1, oz. \$4.

Earligreen. The finest, earliest large green Celery. The very full heart is pure white, brittle, and of the most delicious flavor. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25, $\frac{1}{2}$ oz. \$2, oz. \$3.50.

Summer Pascal. Highest quality green Celery: short, heavy, nutty and brittle; almost ribless and entirely stringless. Blanches easily in two weeks. Full golden heart. Trifle later than Golden Plume. Height 22 inches. Pkt. 30 cts., 4 pkts. \$1.

Paris Golden Self-blanching. Compact, stocky, with golden green leaves and fine, nutty flavor. Pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., $\frac{1}{2}$ oz. 65 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.

Improved White Plume. Tender and of the very best flavor. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.

CELERIAC, Large Smooth. Turnip-shaped roots, which are white-fleshed, tender, and possess the flavor of celery stalks. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2, lb. \$7.50.



Golden Plume Celery

Well-Keeping Winter Varieties

New Easy-Blanching. Large; green; leaves blanch white. Good keeper, though only two weeks later than Paris Golden. The flesh is crisp and brittle, the flavor good. Pkt. 25 cts., $\frac{1}{8}$ oz. 50 cts., $\frac{1}{4}$ oz. 75 cts., $\frac{1}{2}$ oz. \$1.25, oz. \$2, $\frac{1}{4}$ lb. \$7.50.

Winter Queen. Medium large, light green in color. Blanches and keeps well. Pkt. 10 cts., $\frac{1}{2}$ oz. 35 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$1.75.

Giant Pascal. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Cutting Celery. (For Soup Greens.) Strongly germinating seed. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.

Celery Seed. Non-germinating. For soups, etc. Oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 75 cts.

CUCUMBERS

One ounce will plant about 50 hills.
Yield in about 9 weeks

CULTURE. Sow seed in hills 4 feet apart each way after mid-May and at intervals up to mid-August.

Straight-8. A new green Cucumber of excellent quality. Fruits show no lighter striping, are about 8 inches long and $1\frac{1}{2}$ inches through, symmetrical and uniform. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

New Davis Perfect. Dark, glossy green, slim and symmetrical, 10 to 12 inches long. Flesh brittle, and of good flavor. Pkt. 10c., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Improved Early White Spine. Fruits slightly pointed, smooth and deep green; white lines at the blossom-end. Splendid table Cucumber or for pickling. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Cool and Crisp. An excellent pickling or slicing Cucumber of good size, tender and crisp; very early and prolific. Pkt. 15 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.

The Lemon. In appearance it resembles a lemon, but edible qualities are good, and it withstands drought and disease well. Pkt. 15 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.

Extra-Long Green. Standard variety about 1 foot in length, of excellent quality; when young makes good pickles. Pkt. 15 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.25.

Longfellow. A long, slender, very dark white-spine Cucumber, desirable for outdoor planting as well as forcing. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

Staysgreen. Reliable and popular commercial white-spine variety. It holds well its beautiful medium dark green color and ships well. The fruits are 8 to 9 inches long, straight, smooth, and of excellent salad crispness. Pkt. 15 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.

Japanese Climbing. Distinct climbing sort to train on pole or fence. Good for pickling or slicing. The fruit is about 1 foot long, smooth and dark green. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Green Prolific (Boston Pickling). For pickling, because small. For slicing also. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Greenhouse Cucumbers

S. & W. Co.'s Improved Telegraph. Very dark green, long and straight. We offer a special strain of this variety. Pkt. (15 seeds) 50 cts., 5 pkts. \$2.

Forcing White Spine. Similar to the outdoor White Spine but larger. It grows freely under glass, and is early, prolific, robust and of simple cultivation. Pkt. (25 seeds) 25 cts., 5 pkts. \$1.

Everyday. Plants set freely at all seasons of the year. Fruit good length, deep green in color, almost smooth, and of splendid flavor. Pkt. (15 seeds) 50 cts., 5 pkts. \$2.



S. & W. Co.'s Best of All Cauliflower

CAULIFLOWER

One ounce will produce about 3000 plants.
From 10 to 14 weeks from seed to harvest.

CULTURE. Sow in February or March in a hot-bed and transplant in April. Have the plants 2 $\frac{1}{2}$ feet apart. Rich soil is essential. Outdoors sow the first week in May and transplant in July. For wintering under glass sow in September; transplant thickly into a cold pit or frame; give plenty of air in mild weather, and cover up well when conditions are severe. When the flower is the size of an egg, tie the leaves together, or bend them to form a cover.

S. & W. Co.'s Best of All. The easiest grown and surest heading Cauliflower offered today. In habit the plant is very dwarf, stocky, and erect. Fewer leaves enable it to be planted closer than usual. In suitable soil, every plant will form a large, handsome head of the finest quality. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1.25, $\frac{1}{4}$ oz. \$2, $\frac{1}{2}$ oz. \$3.75, oz. \$7.

Early Snowball (Snowdrift). Wonderful, sure-heading, dwarf variety; the outer leaves are small, hence it is particularly adapted to growing under glass, also for spring planting outdoors. Is, too, an excellent autumn sort. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.75, $\frac{1}{2}$ oz. \$3.25, oz. \$6.

Extra-Early Dwarf Erfurt. Because of its exceedingly dwarf habit and rapidity of growth, this variety is desirable for forcing under glass; also suitable for the open ground. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.75, $\frac{1}{2}$ oz. \$3.25, oz. \$6.

Autumn Giant. This is larger and slower-growing than the above varieties; more suitable for use in warmer climates. Pkt. 10c., $\frac{1}{4}$ oz. 45c., $\frac{1}{2}$ oz. 85c., oz. \$1.50.

Italian Purple. Head purple, cooking to green; in flavor it is similar, but superior to broccoli and cauliflower. Quick growing and disease-resistant. May be sown under glass and transplanted, or outdoors in June for an autumn crop. Pkt. 25 cts., $\frac{1}{8}$ oz. 85 cts., $\frac{1}{4}$ oz. \$1.50, $\frac{1}{2}$ oz. \$2.75, oz. \$5.

CRESS (Pepper Grass)

Curled or Pepper Grass. The young seedlings are used for salads, and they make delicious fillings for sandwiches. Good winter house-grown crop. Scatter seeds thickly on boxes of fine soil and press in gently—do not cover. Will also grow on cloth kept continuously damp. Yields in about two weeks; sow at short intervals for succession. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.50.

True Erfurt Water Cress. Pkt. 20 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1,

Celery needs rich soil, in a high state of cultivation, and one which will conserve moisture



Midget Corn needs little garden space, and the ears are about 4 inches long; each plant bears two to five of them

SUGAR CORN

Pound plants 200 feet of drill or 200 to 300 hills

CULTURE. May be gathered daily from July to frost if you plant every three weeks, from April to July; hills 3 feet apart, and six seeds in a hill; cover about half an inch; thin out to three plants.

MIDGET CORNS

For the Small Garden

S. & W. Co's Midget. The small plant grows about 30 inches high and the ears are only 4 inches long, but two to five of them are on a single stalk. The white kernels are delicious. Pkt. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

Golden Midget. A golden yellow form of our well-known midget. Equally delectable; the plant is just as dwarf and the ear equally tiny. Pkt. 50 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.

New Hybrid Corns

Allegheny. New yellow variety, medium late, with large ears and deep, very narrow, tender kernels. Table quality is of the best, and Allegheny should prove excellent for the market grower, canner and the home gardener who has sufficient space for a tall Corn. Pkt. 20 cts., $\frac{1}{2}$ lb. 50 cts., lb. 90 cts., 2 lbs. \$1.75, 5 lbs. \$4.

Honey Cross. A first-early hybrid of wonderful table quality; probably the sweetest Corn you have ever eaten. It is a good market variety and very suitable for the backyard garden also. Definitely resistant to disease. Ears long, 12- to 14-rowed, with light cream-yellow, medium broad kernels. Pkt. 20 cts., $\frac{1}{2}$ lb. 50 cts., lb. 85 cts., 2 lbs. \$1.65, 5 lbs. \$3.75.

Spancross. Highly resistant to Stewart's disease. Splendid for home-gardens. Ears have 10 to 12 rows of delicious golden yellow kernels. Ten days earlier than Golden Cross Bantam. Pkt. 15 cts., $\frac{1}{2}$ lb. 45 cts., lb. 75 cts., 2 lbs. \$1.45, 5 lbs. \$3.50.

Golden Cross Bantam. Modern sort, showing remarkable resistance to wilt, increased yield, ability to withstand adverse weather, uniformity of ear, etc. Its stalks are sturdy, ears 7 to 8 inches long, 10 or 14-rowed, maturing in 88 days. Pkt. 15 cts., $\frac{1}{2}$ lb. 35 cts., lb. 65 cts., 2 lbs. \$1.25, 5 lbs. \$2.75.

Stowell's Evergreen Hybrid (Late). Similar to our regular Stowell's, but sturdier, uniform and more resistant to disease. Pkt. 20 cts., $\frac{1}{2}$ lb. 50 cts., lb. 90 cts., 2 lbs. \$1.75, 5 lbs. \$4.

Early Sorts

Yield in 10 to 12 weeks from planting

Spanish Gold. A 10- to 12-rowed Corn of most delicious flavor. Ears 6 to 7 inches long, packed with bright, golden yellow kernels, tender and sweet. Dwarf, therefore needs less room. $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

New Wonder Bantam. Grows 5 to 6 feet in height, bearing ears 8 to 10 inches in length, filled with 8 rows of rich, golden yellow, sugar-sweet kernels. More vigorous, more productive, and yields larger ears than Golden Bantam. $\frac{1}{2}$ lb. 25 cts., lb. 45c., 2 lbs. 85c., 5 lbs. \$2, 15 lbs. \$4.50.

Golden Wedding. Like Golden Bantam, but the ears are larger and have 12 or more rows instead of 8: In flavor we consider it superior. Resistant to wilt. Pkt. 15 cts., $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2, 15 lbs. \$5.

Golden Bantam. Wonderful for flavor. Plants 4 feet high, usually bearing two or more ears. When ready for the table the ears are creamy yellow. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Black Mexican. Jet-black ears; very sweet. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., 5 lbs. \$1.65, 15 lbs. \$4.

Howling Mob. Fine white Corn of sweet table quality. Ears are $7\frac{1}{2}$ inches long, 12-rowed, and are ready in 85 days. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Late Sorts

Yield in 13 to 15 weeks from planting

Golden Colonel. A hybrid which has the unsurpassed flavor and rich yellow color of Golden Bantam, along with the shoepeg grains, large zig-zag ear, and 8-foot stature of Country Gentleman. Pkt. 20 cts., $\frac{1}{2}$ lb. 50 cts., lb. 85 cts., 2 lbs. \$1.65, 5 lbs. \$3.75.

Country Gentleman. Very delicate flavor. The ear is large, cob is small, and the pearly white kernels of great depth. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Stowell's Evergreen. The ears are of large size, grains deep, exceptionally tender and sugary. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Long Island Beauty. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., 5 lbs. \$1.65, 15 lbs. \$4.

CORN SALAD

One ounce will plant 150 feet of drill

CULTURE. Seed may be sown thinly in drills 18 inches apart in early spring, and later for succession although early fall seedings are preferred. The latest sowings may be wintered if lightly mulched.

Large-leaved. Tested seed of high vitality. Pkt. 20 cts., oz. \$1.

CHICORY

Witloof (French Endive). Sow in spring as you would Parsnip. The roots are lifted in the fall and trimmed. They may be planted during winter in a box or trench in a cellar or under a greenhouse bench, so that the neck of the root is 9 inches below the top. Then fill level with sandy soil, sand, or manure; through this the familiar white salad appears in about a month. Pkt. 20 cts., $\frac{1}{2}$ oz. 50 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

Large-rooted Magdeburg Chicory. The roots, roasted, are an ingredient in French coffee; young shoots provide excellent spring salad. Pkt. 15 cts., $\frac{1}{2}$ oz. 40 cts., oz. 70 cts., $\frac{1}{4}$ lb. \$2.

DANDELION

One ounce will plant about 100 feet of drill

CULTURE. Sow in drills 1 foot apart. Thin the plants to stand 4 inches apart. Dandelion may be blanched like endive, or it may be sown later in the season, plants covered lightly with salt hay, and the following spring they will be fit for use.

Large Thick-leaved. Pkt. 20 cts., $\frac{1}{2}$ oz. 50 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

Catalogna. Described as the cut-and-come-again Catalonian or Italian Dandelion, Asparagus-Chicory or *Ciccoria Catalogna*. Shoots are a healthful boiled "greens" and a good salad; plant looks like a large, erect dandelion. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.25.

EGGPLANT

One ounce will produce about 1000 plants. Yield in about 11 weeks after planting out

CULTURE. Sow during March indoors; plant out 2 feet apart when fine weather has arrived.

Early Beauty. The earliest, large-sized Eggplant. Particularly desirable for sections with short growing seasons. Fruits dark purple, long-globe shape; productive. Pkt. 20 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1.

Fort Myers Market. The plants produce a continuing crop of fruit all summer. These are longish oval, large, deep black, and of superior table quality, with none of the objectionable "tang" that is found in some. Resists the diseases to which most sorts are liable. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

New York Improved Spineless. The fruits are large, round-oval, of a rich deep purple-black color and splendid quality. Free from spines. The large fruits are sometimes produced 10 to a plant. Pkt. 10 cts., $\frac{1}{2}$ oz. 40 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.25.

Long Purple. Pkt. 15 cts., $\frac{1}{2}$ oz. 40 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.

Black Beauty. Early, large sort. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

ENDIVE

One ounce will plant 200 feet of drill.
Gather about 13 weeks after sowing

CULTURE. Sow seed from middle of June till last of August. When the plants are fully grown, tie the outside leaves over the heart, to blanch it; this will take a week. Do not tie the leaves when wet.

Batavian Cos. A distinct new variety. It is of the Escarolle type, but the growth is upright, with longer and wider leaves; these curve over and protect the very full hearts to blanch them, much like a Romaine lettuce. Won Honorable Mention in the All-America Seed Selections for 1941. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.75.

Deep Heart. Awarded the Silver Medal for outstanding quality in the All-America Seed Selections for 1939. A fringed or curly type, but with the general broad-leaved habit of Escarolle. It is more upright, however, giving it a well-filled heart which will blanch better and be less likely to take soil-carried disease. Normally, it is 10 to 12 inches across and 7 to 8 inches deep. Suitable for all market, estate and private gardens. See illustration below. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.75.

Broad-leaved Batavian (Escarolle). Not offered. We recommend the superior **Full-hearted**, described below.

Full-hearted. A newer variety of fine quality, closely resembling Broad-leaved (Escarolle), on which it is an improvement, but the head is more compact and full; it blanches easily. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

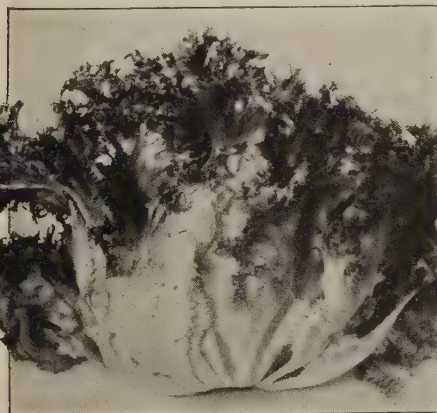
Green Curled Rose-ribbed. (Self-blanching.) Quicker to mature and more upright in growth than the ordinary type. Grown 6 inches apart, in good, rich soil, the plants quickly crowd so that they blanch. Pkt. 15c., oz. 35c., $\frac{1}{4}$ lb. 95c., lb. \$2.25.

Green Curled. The leaves are bright green, finely cut and crinkled, giving the plant a handsome appearance. Blanching easily a creamy white. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

FRENCH ENDIVE. See Chicory.

HORSE-RADISH

Roots. Will produce good Horse-radish in one season. Plant in rich soil so that the top of the root will be 2 inches underground. 25 cts. per doz., \$1.50 per 100.



Deep Heart Endive

KOHLRABI

One ounce will plant about 200 feet of drill.
Ready in from 8 to 9 weeks

CULTURE. Sow in spring in rows 18 inches apart, and thin away the plants to 6 inches.

Triumph of Prague. A perfect white Kohlrabi; very uniform in shape, size, and color. Short top. A first-early sort. Pkt. 25 cts., 5 pkts. \$1.

Earliest Selected. Very refined flavor. The leaves are small, so this Kohlrabi may be used for forcing, as well as for outside planting. Pkt. 15 cts., oz. 70 cts., $\frac{1}{4}$ lb. \$2.

Early White Vienna. Pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75.

Early Purple Vienna. Pkt. 10 cts. oz. 60 cts., $\frac{1}{4}$ lb. \$1.75.

KALE

One ounce will produce about 3000 plants.
Ready to cut in about 10 weeks

CULTURE. Sow in May, June, or July in shallow drills; when large enough, transplant singly into rows, allowing 24 inches between the plants.

Dwarf Green

Curled Scotch.

Is at its best after frosty weather has set in. The leaves are curled like fine parsley. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

Siberian Kale or

Sprouts. Not so

densely curled, but hardy and yields heavily. Known as "German greens." Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75.

Dwarf Brown Kale.

Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75.



American Flag Leek

LEEK

One ounce will plant about 100 feet of drill. Require about 15 weeks from seedling to edible stage

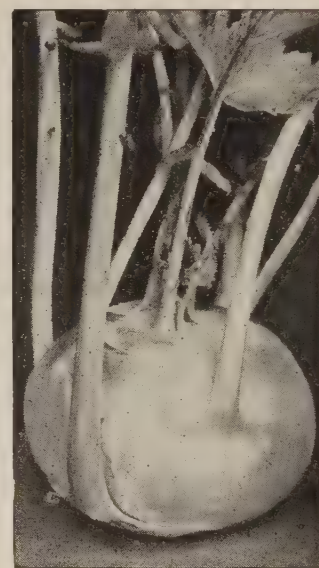
CULTURE. Sow seed in early spring outdoors. When plants are about 6 inches long, transplant them to trenches 6 inches deep, in rich soil. Fill up the trenches as the plants grow, and later draw soil up to them. As a result you will have fine, large Leeks blanched a half foot long, which may be kept all winter if dug up with the roots on and stored in sand in the cellar.

S. & W. Co.'s Exhibition. Preferred by prominent exhibitors in vegetable competitions. Pkt. 35 cts., 3 pkts. \$1.

Large American Flag. A large-growing type. On account of its dependability and ease of culture, is widely used for both family and market. Pkt. 15 cts., $\frac{1}{2}$ oz. 75 cts., oz. \$1.25, $\frac{1}{4}$ lb. \$4.

MARTYNIA

The lilac-purple flowers are followed by curved seed-pods. These are pickled. Sow when frost is over and transplant to stand 3 feet apart. The plants are very sensitive to frost. Pkt. 15 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75.



Kohlrabi

MUSHROOMS

CULTURE. Turn fresh manure every day for four days; then build beds with it, 1 foot thick when tamped firmly. As the internal temperature falls to 85 degrees, plant the spawn, broken into walnut-size pieces. Cover with 3 inches of hay for a week; remove, and spread 1 inch of soil in its place. Keep cellar or shed at 60 degrees, and moisten walls and floors daily. Gathering should begin in six weeks.

May be plugged into the lawn, and a crop of Mushrooms looked for in the autumn.

Bottle Spawn. Spores have been selected from specimen Mushrooms and propagated in sterile bottles, the Spawn removed, dried, and packed in cartons. Excluded from the Spawn are the spores of other fungous growths. One quart will spawn 35 square feet. Qt. \$1.25, 6 qts. \$6.50, 12 qts. \$12.

NOTE. We have discontinued listing Brick Spawn, owing to the preference for the above on the part of most of our customers.

MUSTARD

One ounce will plant 75 feet of drill

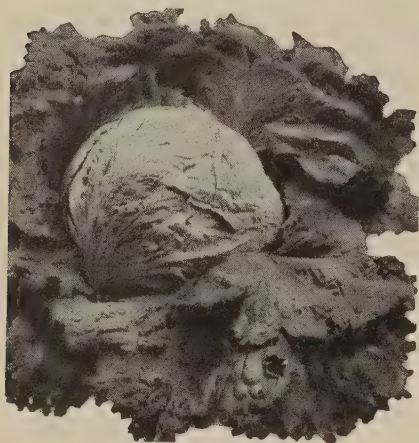
CULTURE. Sow frequently through the spring, in drills from 8 to 12 inches apart. The first two varieties are used for boiled "greens;" seedlings of White London are used for sandwich material.

Fordhook Fancy. A variety with crested and cut leaves, and having a feathered appearance. Served as spinach, the flavor is inviting, while the plant possesses healthful tonic properties. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Giant Southern Curled. The plant grows 3 feet tall, and the broad, succulent leaves are cut and frilled. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.

White London Mustard. Often raised indoors; broadcast seed on fine soil and press in lightly—don't cover. May also be grown on cloth kept moist. Ready in about ten days. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Mustard Spinach (Tendergreen). A new boiling vegetable, healthful and palatable. Has a pleasant flavor, and many who do not like true Spinach will relish it. Cut within a month of sowing seed. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.



New York Lettuce

LETTUCE

One ounce will plant 150 feet of drill.
Matures in from 11 to 12 weeks

CULTURE. About the middle of March sow in the hotbed. When seedlings are about 2 inches tall, transplant them to a coldframe. By May 1, set out in the garden, 1 foot apart. These plants should give you well-developed heads by Decoration Day.

As soon as the ground can be worked outdoors, sow early sorts. Gradually thin until the plants finally stand 12 inches apart. After mid-May, do not sow early kinds, but select sorts like Salamander and New York No. 44. Make repeated sowings to have Lettuce always available. In August sow Thanksgiving Day. Continuous hoeing is important.

New York or Wonderful Lettuce

This is "Iceberg" in the vegetable market, but the true Iceberg is described in the next column. New York is a large, gray-green, solid sort, with crumpled leaves and a creamy white, very crisp heart. Here are the latest sub-strains. Let us recommend No. 44 for low land, black and rich; No. 847 if it is more loamy; PW 55 for earliest crop.

ALL-AMERICA HON. MENTION

New York PW 55.

The important feature of this novelty

is its extreme earliness, making it one of the quickest sorts you can choose for your first spring Lettuce; other kinds are better in the warmer months. It has splendid table qualities, being crisp and flavorful. Plants are somewhat small, compact and tight. A good kind for both the commercial grower and amateur. Pkt. 25 cts., oz. \$1.

Imperial No. 44. Withstands hot weather and will hold back its seed-heads longer. Leaves are mid-green, thick, and the creamy white head is firm and somewhat flattened. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.50.

Imperial No. 847. Black seed. Gives good results on upland soil. Best early transplanted crop and for the first field planting. Excellent for autumn use. Heads are medium green, well rounded, solid, and with a short core. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$3.25.

New York No. 515. Suitable for the conditions around New York and in demand among the growers in this area. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.

New York No. 12. Plant large; dark green, crisply curled leaves, tightly folded, large cabbage-like head, which is well blanched, crisp and sweet. Suitable for spring and late summer plantings. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.50.

Other Heading Lettuce

Cosberg. Similar to New York in general appearance, but distinct, smaller, and more suitable for the home garden. Pale, softer green leaves, and medium-sized, solid heads; excellent crisp salad quality. It stands heat well. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.50.

Iceberg (California Simpson). A splendid, crisp-head sort. Has strong center ribs, which bend toward the heart of the plant, keeping it thoroughly blanched. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

Big Boston. (White seed.) As an early spring variety it is reliable, and it is suitable for autumn growing also, but it does not do well as a summer Lettuce. The heads are large, and fine-flavored. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

Unrivaled Summer. Quick-growing sort which forms large heads similar to Big Boston but lighter in color. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

May King. Unquestionably one of the best all-round, early, outdoor Lettuces, forming solid heads of bright green, the edges of the center leaves tinged brown; the heart is yellow and of ideal flavor. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

Mignonette. A curled heading Lettuce of medium size, very solid, compact, and hard. It is brown in color, with a white heart. Resistant to heat. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.50.

Salamander Perfected. Also called Black-seeded Tennisball. An excellent summer variety. Grows to large size, with tightly folded leaves covering the center, which blanches a light golden. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

Thanksgiving Day. A fine-flavored Lettuce for sowing in summer to produce a late crop. Outer leaves are brown and fringed, but the firm, solid head is bright gold-green. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$4.

Tom Thumb. For indoor culture. The small, firm heads are of excellent quality, while the leaves are dark green and very crumpled. Outdoors it is suitable for spring and fall. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.50.

Golden Queen. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.

Cos or Romaine Lettuce

Upright-growing type. When about a week short of maturity, it is usual to draw the outer leaves together and tie them, blanching the inner heart and greatly enhancing its noted crispness and fine flavor.

Cos Lettuce is easy to grow, slow to bolt to seed and economical of garden space.

Giant White Cos. Although this fine Cos Lettuce attains a large size, the immense heart is crisp, tender, and excellent; self-closing. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85c.

Dark Green Cos. A new mammoth sort, self-closing, resistant to cold, and slow to bolt during hot weather. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.50.

Paris White Cos or Romaine. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

Trianon Self-closing Cos. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.50.

Matchless. Midway between heading and Cos types. The dark green leaves are pointed and do not form a tight head, but they, especially the midribs, are most palatable. Pkt. 25 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.

Loose-leaved Lettuce

Early Curled Simpson. Splendid curly-leaved sort. Seed sown in the coldframe about the middle of March and transplanted about the middle of April will supply the table in May and June. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

Grand Rapids. There is no better forcing variety than Grand Rapids, and it is quite as good for outdoor culture. Large, beautiful leaves; crisp and tender. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

Black-seeded Simpson. Excellent outdoor variety; the easiest to grow. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

Lettuce grows best in soil that drains well but contains sufficient organic matter to make it retentive of moisture. Humus is a good material to dig under.

OKRA or GUMBO

One ounce will plant about 100 feet of drill

CULTURE. Sow in late May in drills 1 inch deep and 3 feet apart; thin to 12 inches.

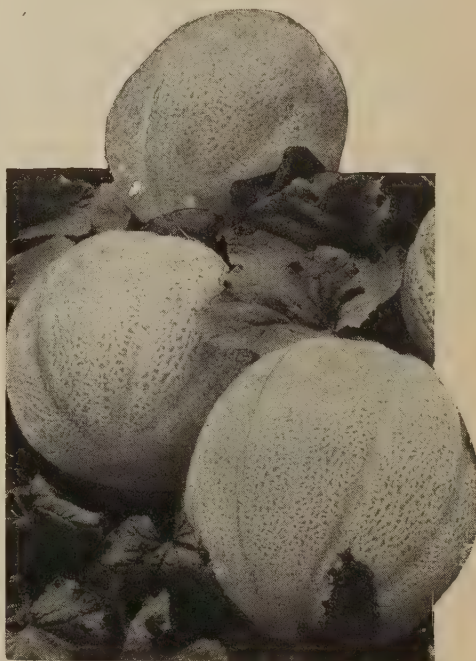
Clemson Spineless. Awarded the Silver Medal for outstanding quality in the All-America Seed Selections for 1939. A new and improved sort, almost spineless and of excellent quality. For both the home and market garden, and for canning. Pkt. 15 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

Lady Finger. Very productive; extra-long, slender, rounded pods. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.

Long Green. Long ribbed pods. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. 90 cts.

White Velvet. Pods are round, smooth and white; superior flavor. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.

Dwarf Green. Short, deep green pods. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.



Bender's Surprise Melon. (See next page)

WE ARE SORRY that short seed crops, and the war in Europe, have caused a scarcity of High Quality Seeds of strong vitality. We regret, also, that this has resulted in an increase in cost of Onion seed.

MELON (*Cantaloupe*)

One ounce will plant about 80 hills.
Yield in from 12 to 14 weeks

CULTURE. Sow the seed in April under Hotkaps, and in the open air in May in hills 6 feet apart each way. Use in each hill from 8 to 10 seeds. When the plants have produced their rough leaves, thin out to three plants per hill. As soon as the plants make their appearance above ground, dust them with Hortex or similar material.

Golden or Orange-fleshed

Hale's Best. Most superior melon of the Rocky Ford type; oval shape. Quick to produce its fruits; the flesh is salmon-orange, sweet, and of fine quality. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

Bender's Surprise. An almost round melon of medium size, with very thick, sweet, pink flesh of luscious, melting quality. The dark green, heavily netted skin ripens to an attractive gold. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.50.

Banana. Narrow, curved, and as much as 30 inches in length. The flesh is a deep salmon, sweet, and of good quality. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

Selected Emerald Gem. The skin is a rich deep green, and smooth; flesh salmon color and of delicious flavor. A very early and prolific variety. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.25.

Hearts of Gold or Improved Hoodoo. Ideal shipping melon of the finest quality. Flesh very thick, firm, of fine texture and delicious flavor. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

Golden Delicious. Golden! Delicious! Its remarkable speed from seeding to yield is also one of its qualities. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.50.

Green-fleshed

Honey Gold. A new, early, and very handsome sort for market work and shipping; good, also, for the home-garden. The grapefruit-like melons are medium in size and very fleshy, because the seed-cavity is small and the rind very thin. Fine flavor; very sweet, like a Honey Dew melon. Pkt. 25 cts., $\frac{1}{2}$ oz. \$1.50, oz. \$2.50.

Rocky Ford. The fruits weigh from $1\frac{1}{4}$ to $1\frac{1}{2}$ pounds each. Thick meat, green in color, fine in flavor, with thin rind; skin light green, ribbed and heavily netted, ripening to a golden yellow. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

"10/25" Salmon Tint. The fruit is heavily and evenly netted, very uniform in size, rust-resisting, and early; the flesh is a rich gold in the center, shading out to emerald-green near the rind. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

Honeydew. Well-known very sweet variety. The flesh is green, very thick, and, unlike some melons, it ripens uniformly to the rind. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.25.

Early Hackensack. An early strain of the one-time famous Hackensack variety. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

Cassaba. Are true winter melons. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.50.

Forcing Melons

Golden Beauty. Skin bright yellow, beautifully netted; flesh deep, rich salmon color, of delicious flavor. Pkt. 75 cts.

King George. The flesh is red and very thick, with a small seed cavity. Pkt. 75 cts.

Royal Jubilee. A splendid, oval, green-fleshed melon. Skin almost white, handsomely netted. Pkt. 75 cts.

ONION

One ounce will plant 100 feet of drill;
5 to 6 pounds, an acre. Takes 14 to 15 weeks from seed to maturity.

CULTURE. For large Onions sow in a hotbed early in January or February and transplant to the open 6 inches apart. For the main supply, sow in rich, sandy soil, in drills 1 foot apart, early in spring, and firm well. Thin to 3 to 4 inches apart.

Mild White Varieties

S. & W. Co.'s Southport White Globe.

Produces handsome and uniformly globe-shaped bulbs. The flesh is firm, fine-grained and of mild flavor. Pkt. 15 cts., $\frac{1}{2}$ oz. 55 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.75.

White Portugal or Silverskin. A mild variety, used for pickles. Tender and altogether fine. Pkt. 10 cts., $\frac{1}{2}$ oz. 50 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

White Pickling. When mature, the tops die down, leaving beautiful and perfect little bulbs. The color is pure white, flavor mild and delicate. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

White Bunching. For scallions. Pkt. 10 cts., $\frac{1}{2}$ oz. 45 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.25.

Evergreen Bunching. Long, white sort; may be sown in spring or fall. Protect over winter with salt hay or leaves. A tender, mild "Scallion." Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

Leading Yellow Kinds

S. & W. Co.'s Southport Yellow Globe.

It has large and uniformly spherical bulbs with very small necks. The largest diameter is below the center of the bulb. The color is a rich orange-yellow. Keeps splendidly. Pkt. 10 cts., $\frac{1}{2}$ oz. 45 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.25.

Early Yellow Globe. Attractive, deep yellow Onion, medium large in size with a tight skin; keeps well. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

Yellow Globe Danvers. A splendid keeper, producing well-rounded bulbs about $2\frac{1}{2}$ inches in diameter; skin light golden yellow; flesh white, crisp, and mild in flavor. Pkt. 10 cts., $\frac{1}{2}$ oz. 45 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.25.

Ebenezer or Japanese. A dark yellow variety. Bulbs are deep, flat, of medium size, very firm, with a thick skin. Early and keeps well. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

Extra Large-growing Kinds

S. & W. Co.'s Selected Ailsa Craig. This Onion is one of the largest grown. It is a very handsome, oval-shaped variety with pale straw-colored skin. For exhibition it is unexcelled, and to attain its largest size it should be sown in January and transplanted. Keeps well and has a mild flavor. Pkt. 15 cts., $\frac{1}{2}$ oz. 55 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.75.

Ailsa Craig. Originator's stock grown in England. Pkt. 75 cts.

Prizetaker. Uniform in shape and of immense size. Under special cultivation bulbs have been raised to weigh from 2 to 3 pounds each. Pkt. 15 cts., $\frac{1}{2}$ oz. 55 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.75.

Riverside Sweet. The largest, sweetest, best-keeping, and most uniform of the Spanish Onions. Globular in shape, with golden yellow skin and white flesh; the strain we are offering is very mild. Pkt. 15 cts., $\frac{1}{2}$ oz. 55 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.75.



White Portugal Onions

Large-growing Onions, continued

Gigantic Gibraltar. Recommended for exhibition, and it is a good general-purpose sort, also, where the soil is rich. Although large in size, is a splendid keeper and decidedly mild. In exceptional cases specimens have weighed $3\frac{1}{2}$ pounds. Pkt. 20 cts., $\frac{1}{2}$ oz. 60 cts., oz. 95 cts., $\frac{1}{4}$ lb. \$3.

Long-keeping Red Onions

S. & W. Co.'s Southport Red Globe. This variety has a deep red skin and is almost a perfect globe. Size large, flesh fine-grained, mild and tender. Pkt. 10 cts., $\frac{1}{2}$ oz. 45 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.25.

Large Red Wethersfield. This is the standard red variety, and a favorite wherever Onions are grown for shipment. Bulb large, somewhat flattened, skin deep purple-red; flesh purplish white, moderately fine-grained, and with a strong flavor. The best keeper, and one of the most popular for general cultivation. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.75.

Bermuda Onions

These are large, flat, quick-growing types, with a pleasant, mild flavor.

Red Bermuda. Pkt. 15 cts., $\frac{1}{2}$ oz. 55 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.75.

Crystal Wax. Pkt. 20 cts., $\frac{1}{2}$ oz. 60 cts., oz. 95 cts., $\frac{1}{4}$ lb. \$3.

Onion Sets

Sets will produce green, bunch or full-grown Onions much quicker than will seed. Multipliers and Potato Onions divide and increase in the soil. Egyptian Onions are autumn-planted hardy perennials, yielding green pulling Onions every spring.

	Ot.	$\frac{1}{2}$ pk.	Pk.
White Onion Sets....	\$0 45	\$1 50	\$2 75
Yellow Onion Sets....	40	1 35	2 25
Yellow Ebenezer or			
Japanese.....	45	1 50	2 75
Red Onion Sets.....	40	1 35	2 25
Egyptian Top Onions.			
Fall delivery.....	40	1 35	2 25
Garlic Sets. Lb. 50 cts., 5 lbs. \$2, 10 lbs. \$3.75.			
Potato Onion Sets (True Potato). Lb. 50 cts., 5 lbs. \$2, 10 lbs. \$3.75.			



Evergreen
Parsley

PARSLEY

One ounce will plant about 150 feet of drill

CULTURE. Sow early in the spring in drills 1 foot apart and $\frac{1}{2}$ inch deep. Thin out the young plants to 4 inches. Hamburg Parsley should be treated the same as carrots.

Evergreen. Awarded the Bronze Medal for outstanding quality in the All-America Seed Selections for 1939. A new husky, rapid-growing, vigorous sort that will give you Parsley later in the autumn because it is definitely more resistant to cold than other kinds. Larger, denser, more spreading and very dark in color. Tightly curled, but its sturdiness is associated with slightly coarser cut leaves. Ideal for the market man as well as the private grower. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.

Champion Moss Curled. A particularly beautiful type. A bed of this has the appearance of fine moss. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Extra Double Curled. A market variety. The leaf is finely cut, curled and vivid green. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Exhibition Curled. Remarkable for its extra-fine leaves and its dense habit of growth. Our seed has been saved from plants of exhibition calibre. Pkt. 25 cts., 5 pkts. \$1.

Fern-leaved. This is a distinct variety. Pkt. 15 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.

Plain. Known widely as Italian Parsley. Used for flavoring. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Hamburg or Rooted. The roots of this type resemble parsnips. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

PEANUTS

CULTURE. These require similar soil conditions to garden corn. Remove the outer shell without injuring the kernels, and sow the latter in drills $2\frac{1}{2}$ feet apart and $1\frac{1}{2}$ inches deep. Allow 9 inches between one "nut" and the next in the row.

Improved Spanish. Though small, this is a quick-growing sort and one that is suitable for northern gardens. Pkt. 10 cts., lb. 45 cts.

California Long Red. Larger than the above but slower to mature. Plant this variety south of the latitude of New York, where the longer summer will enable it to yield a heavy crop. Pkt. 10 cts., lb. 45 cts.

PEPPER

One ounce will produce about 1000 plants.
Pick 9 to 12 weeks after setting out

CULTURE. Peppers should not be planted out until settled warm weather has arrived. The seed may be sown in a hotbed, coldframe, or a box in a sunny window; transplant into rows 20 inches apart each way, and keep the soil well stirred.

Splendid Sweet Peppers

World Beater. One of the largest and most handsome Peppers. It fruits as early as Ruby King and it is similar in shape, while it has the fine flavor and large size of Chinese Giant. The fruits are $3\frac{1}{2}$ inches in diameter by 5 inches long, four lobed, and the flesh is very thick, mild, and sweet. Excellent for the private estate, the amateur, and the commercial grower. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.25.

Perfection Pimiento. The meat is 2 or 3 times as thick as that of the Bell types. The quality is very sweet and delicious and entirely free from pungency. In color, when ripe, it is a beautiful scarlet-red. Pkt. 10c., $\frac{1}{2}$ oz. 40c., oz. 70c., $\frac{1}{4}$ lb. \$2.

Harris' Earliest. Produces Peppers very quickly. Valuable for sections where summer is too short for ordinary types. The plant is covered with fruits 3 inches long and squarish. Excellent quality; suitable for home or market. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

Chinese Giant. This is the standard large sweet Pepper. It is quite early to ripen and very productive for so large a variety. The fruits are 4 to 5 inches broad at the top, and of equal length. The flesh is mild and unusually thick. Pkt. 15 cts., $\frac{1}{2}$ oz. 55 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.75.

California Wonder. The thickest flesh, and is one of the sweetest. Its scarlet fruits are tremendous, sometimes measuring 6 inches deep and 6 inches through. Pkt. 15 cts., $\frac{1}{2}$ oz. 55 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.75.

Golden Dawn. A yellow sweet Pepper of excellent table quality. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

Large Bell or Bull Nose. A large, early variety of pleasant flavor, though mild. This is the variety for green stuffed Peppers. Pkt. 10c., $\frac{1}{2}$ oz. 40c., oz. 70c., $\frac{1}{4}$ lb. \$2.

Neapolitan (Jersey Sweet; White Cap). Very early and an extraordinary yielder. Its fruits grow upward, not pendent. They are bright red, sweet, fine, and tender. Pkt. 10c., $\frac{1}{2}$ oz. 40c., oz. 70c., $\frac{1}{4}$ lb. \$2.

Ruby King. Fruits are $4\frac{1}{2}$ to 6 inches long, $3\frac{1}{2}$ inches thick, and bright red. Used both for pickles and slicing. The flavor of the fruits is mild and pleasant, with just a slight suspicion of piquancy. Pkt. 10 cts., $\frac{1}{2}$ oz. 40 cts., oz. 70 cts., $\frac{1}{4}$ lb. \$2.

Sunnybrook Cheese. A very prolific and popular canning variety. Fruits average 3 inches in diameter and 2 inches deep. The skin is smooth and of deep scarlet color and the flesh is thick and sweet. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

Hot Peppers

Hungarian Wax. Turns from green to yellow when young, and red when ripe. Matures early. Long type, fruits 5 to 6 inches. Prolific. Pkt. 20 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1.

Long Red Cayenne. Fruits 4 inches by 1 inch; bright red; prolific; hot. For pickling, both green and ripe. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

Cherry Red. Small, round fruit, rich scarlet in color, and extremely piquant. Pkt. 15 cts., $\frac{1}{2}$ oz. 55 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.75.

PARSNIP

One ounce will plant about 200 feet of drill;
5 to 6 lbs., an acre. Takes 16 weeks
from seed to maturity.

CULTURE. Sow as early in spring as the ground can be worked, in drills 18 inches apart. The quality of the roots is improved after frost; they may be allowed to remain in the ground all winter.

Improved Hollow-Crown. A great improvement over the old-time Hollow-Crown variety; clean, well shaped and smooth. Excellent for table or exhibition. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85c., lb. \$2.25.

New Intermediate. The root is somewhat flattened and top-shaped, about 6 inches long and 4 inches across the thickest part. It matures quickly. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.25.

Selected Exhibition. Produces roots several feet in length and ending in a fine whip-thong. The surface is smooth and white. The flavor is mild and sweet. Pkt. 25 cts., 5 pkts. \$1.

RHUBARB

CULTURE. Plant the roots in well-manured land, 3 feet apart. Sow seed in spring in drills a foot apart; transplant the following season 3 feet apart. One ounce of seed should produce about 1000 roots.

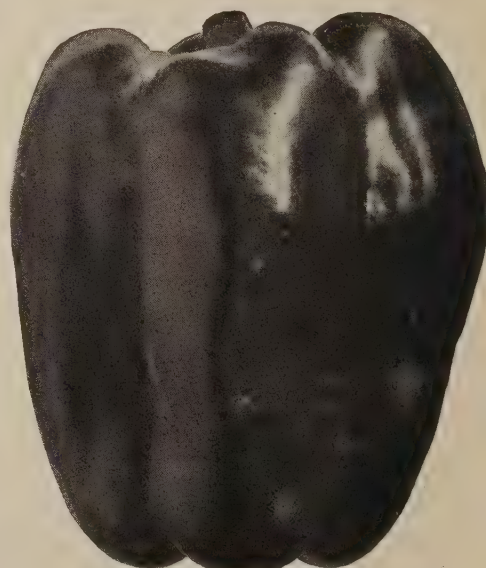
Victoria. A reliable sort which has given good results for many years.

Roots. 15 cts. each, \$1.50 per doz., \$10 per 100; extra-strong clumps, 25 cts. each, \$2.50 per doz., \$20 per 100. Extra-large clumps for forcing in the greenhouse or cellar, 50 cts. each, \$5 per doz., \$35 per 100. Purchaser pays transportation.

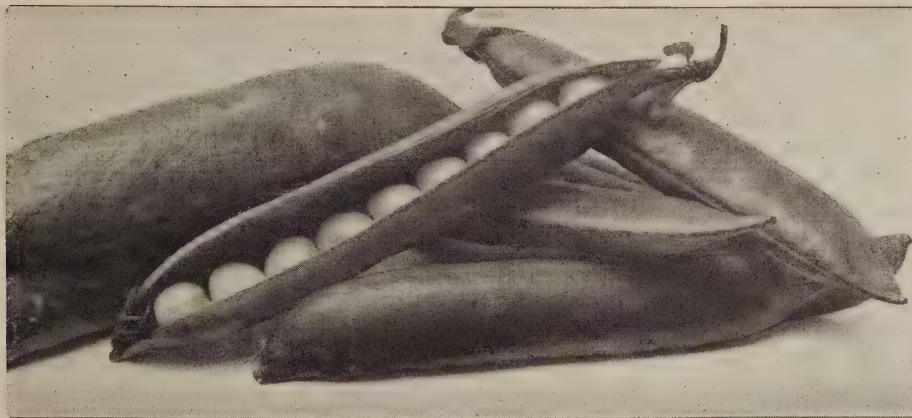
Seed. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.50.

McDonald. This strain originated at McDonald College in Canada and has been proved hardy even in Alaska. The thick, sturdy stems are produced abundantly and are a deep crimson. Surprisingly tender and delicious, you will agree that McDonald is the best Rhubarb ever developed.

Roots only (divisions), 30 cts. each, \$3 per doz., \$20 per 100.



World Beater Pepper



Admiral Beatty Peas

GREEN PEAS

One pound (equal to about 1 pint)
will plant 100 feet of drill.

CULTURE. Sow round, smooth-seeded sorts as early in the spring as practicable, and the superior-flavored wrinkled Marrow varieties two weeks later. Use several kinds at each seeding to insure as long a productive season as possible. Use single or double rows 4 feet apart and cover 2 inches. Sorts growing over 1½ feet need the support of brush or wire. Varieties marked * are wrinkled Marrows.

Early Smooth-seeded Sorts

Early Bird. Combines the hardiness of the round-seeded types with the quality of the wrinkled Marrowfats. The plant grows 4 feet high. Throughout its height it bears profusely 4-inch pods closely packed with Peas of fine flavor. Yields in 9 weeks from seeding. ½lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2, 15 lbs. \$5.

Eight Weeks. A reliable first-early round-seeded Pea 1½ feet high. It bears in rather less than 50 days from sowing seed. A good yielding variety, and excellent for the small garden because it takes so little room and needs no supporting brush. ½lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2, 15 lbs. \$5.

First of All or Pedigree Extra-Early. A splendid cropper. Peas very tender, of good flavor and carried in long, tightly filled pods. Sixty days from planting to picking. ½lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Early Wrinkled Sorts

***Giant-Pod Hamper.** A new 65-day Pea with dark green, pointed, heavily filled 4½ to 5-inch pods. Large wrinkled Peas, very tender and of fine flavor. Thrifty plant grows 2 feet high. ½lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2, 15 lbs. \$5.

***Gradus or Prosperity.** One of the standard sorts. Vines have light green leaves, and grow about 3 feet high. Pods uniformly large, 4 to 4½ inches in length, well filled and handsome. Very early, and the Peas are of fine flavor. Sixty-five days from seed to picking. Pkt. 10 cts., ½lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$4.50.

***Laxtonian.** The large pods are filled with large, luscious Peas. It is ready for use about a week later than the very early sorts. The plant grows about 1½ feet high, and is of a rich dark green color. 62 days. ½lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

***Laxton's Progress.** The pods are 4 inches long and are filled with eight large, melting, sweet Peas. The plant grows 1½ feet high. A variety that is excellent in every way, and one to be highly recommended. 60 days. ½lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2, 15 lbs. \$5.

***Little Marvel.** Eighteen inches high, heavily set with fine pods, usually in pairs. Pods are 3½ inches in length, square at bottom, filled with large, deep green Peas. 62 days. Pkt. 10 cts., ½lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

***Sawco Market.** Vines robust, growing from 2 to 2½ feet high, bushy, with dark green leaves. Pods filled with 8 to 11 Peas of delightful flavor. Award of Merit, R.H.S. (Eng.). Pkt. 15 cts., ½lb. 30 cts., lb. 55 cts., 2 lbs. \$1, 5 lbs. \$2.25.

***Sutton's Excelsior.** Dwarf and very productive. Height 1½ ft. Matures in 63 days. ½lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

***Teton.** Vines are 30 inches tall, carrying single pods, blunt in shape, dark green in color, and over 4 inches long, well packed with 7 or 8 large Peas of fine quality. Resistant to wilt. Yields in 9 weeks. Pkt. 15 cts., ½lb. 30 cts., lb. 55 cts., 2 lbs. \$1, 5 lbs. \$2.25.

***Thomas Laxton.** The Peas are of extra-fine quality, tender and of good flavor. Height 3 ft. Ready for picking at the same time as Sutton's Excelsior. ½lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

***World's Record.** An improved Gradus, maintaining the high yield and flavor of that variety, but somewhat earlier and showing even a higher yield. Yields in 61 days. ½lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2, 15 lbs. \$5.

Main-Crop Sorts

***Admiral Beatty.** It is 3½ feet high, and the Peas are wrinkled; their cooking quality is excellent. The pods are long and pointed, contain nine or ten Peas, and are produced abundantly. Bears in eleven weeks from seeding. Pkt. 15 cts., ½lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2, 15 lbs. \$5.

***Alderman.** On generous soils it grows to a height of 5 to 6 feet. The pods contain seven large, elongated, dark green Peas of the highest quality. Eleven weeks from planting to picking. ½lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

***Boston Unrivaled or Telephone.** A fine tall late variety. The yield of pods is good and they are uniformly well filled. 5 ft. Twelve weeks from seed to harvest. Pkt. 10 cts., ½lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

***Delicious.** The dark green, stocky, vigorous vines are only 2 feet high, covered with an abundance of large, long, tightly filled pods; in them are as many as 9 or 10 big, sweetly melting, delicious Peas. Crop may be gathered about 75 days after seeding. ½lb. 30c., lb. 55c., 2 lbs. \$1, 5 lbs. \$2.25.

***Potlach.** The best dwarf, extremely late Pea. Healthy bluish green vines, bearing loads of deep green pods. A continuous bearer from July 1 to 15 in most seasons. 2 ft.; takes 13 weeks in which to grow. Pkt. 10 cts., ½lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

***Quite Content.** One of the largest-podded Peas in existence. This variety is preferred by many growers to Alderman on account of its size. 5 ft. ½lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2, 15 lbs. \$5.

***Sawco Forty.** A dwarf plant which produces pods 5½ to 6½ inches long. At a flower show where pods of this variety were being exhibited, a wit placed a sign above them reading, "These are Peas, not Bananas." Their cooking quality is of the best. 75 days from sowing to harvest. ½lb. 30 cts., lb. 55 cts., 2 lbs. \$1, 5 lbs. \$2.25.

Edible-podded Sugar Peas

Used in the same manner as wax beans

Luscious Melting Sugar. Large, broad pods, which are so brittle that they snap with no string. 5 ft. Ten weeks from seed to yield. Pkt. 10 cts., ½lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

Very Dwarf White Sugar. Height 1½ ft. Pkt. 10 cts., ½lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

PUMPKINS

One ounce will plant 50 hills.
Fruits are ripe 15 to 17 weeks
after sowing seed.

CULTURE. Plant in April or May, among corn, or in the garden, in hills 8 to 10 feet apart, and otherwise treat in the same manner as melons.

Large Cheese. Fruit flattened, the diameter being three times more than the thickness; skin mottled light green and yellow, changing to rich cream-color as it matures; flesh excellent quality. Pkt. 10 cts., oz. 20 cts., ¼lb. 50 cts., lb. \$1.50.

Sweet or Sugar (New England Pie). The fruits are medium to small in size, of a bright orange color, and in shape are round, flattened at the ends. The flesh is of remarkably good cooking quality, very thick, and deep yellow. Pkt. 10 cts., oz. 20 cts., ¼lb. 50 cts., lb. \$1.50.

Winter Luxury. Best pie Pumpkin; productive; keeps well. Finely netted and russet in color. Pkt. 10 cts., oz. 20 cts., ¼lb. 50 cts., lb. \$1.50.

Connecticut Field. Large, flat-round, deep orange fruits. Good for pies; also largely grown for stock feeding. Pkt. 10 cts., oz. 20 cts., ¼lb. 45 cts., lb. \$1.25.

King of the Mammoths. Recommended where size is the chief consideration—200 pounds or more being not an unusual weight for a single specimen. The fruit is flat-round; the skin is yellow, as also is the thick flesh. Pkt. 15 cts., oz. 30 cts., ¼lb. 75 cts., lb. \$2.

Mammoth Tours. Pkt. 15 cts., oz. 30 cts., ¼lb. 75 cts., lb. \$2.

TEST YOUR SOIL and find out exactly what plant-foods it needs.

WITH THE HORTICULTURAL KIT

you can examine sixty soil samples. The cost? Only \$9.75.

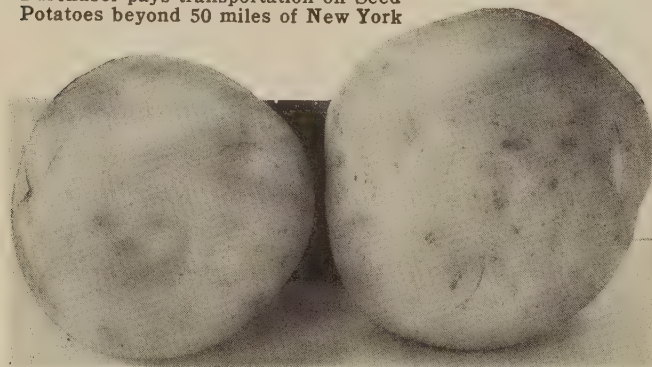
SEED POTATOES

CULTURE. The best soil is a well-drained fibrous loam. Before planting, work in Sawco General Fertilizer at the rate of 1000 pounds to the acre if applied broadcast, or 500 pounds if applied in the rows. Plant good-sized pieces, each containing not less than two eyes, 1 1/2 feet from piece to piece in 3-foot rows.

About 10 bushels or 4 sacks will plant an acre. A sack contains 2 1/2 bushels (150 pounds)

Use Semesan Bel. Dusted on your seed potatoes at planting time, it controls disease and produces increased yields of healthy plants and tubers. 1 lb. will treat up to 20 bushels. 4 ozs. 50 cts., lb. \$1.50, 5 lbs. \$6.50, 25 lbs. \$30.

Purchaser pays transportation on Seed Potatoes beyond 50 miles of New York



Katahdin Potatoes

Standard Early Potatoes

Mature in 9 to 11 weeks

Chippewa. Husky variety that resists disease and crops heavily. Tubers are of medium size, pure white and smooth, longish-round in shape, with shallow eyes and excellent cooking quality. Popular with Long Island growers. 1/2 pk. 85 cts., pk. \$1.25, 1/2 bus. \$2.15, bus. \$4, sack \$9.

Early White Albino. A good cropper. The skin and flesh are pure white, of good cooking quality, and very prolific. One of the best early varieties to withstand blight and disease. Keeps well. 1/2 pk. 85 cts., pk. \$1.25, 1/2 bus. \$2.15, bus. \$4, sack \$9.

Irish Cobbler. Does well on a wide range of soils; very productive. The skin is creamy white, sometimes netted; eyes are strong, well developed, and but slightly indented. The flesh is white and of fine quality. 1/2 pk. 75 cts., pk. \$1.15, 1/2 bus. \$2, bus. \$3.75, sack \$8.

Spalding Rose. (Selected.) A pink-skinned variety which is grown extensively in some sections. A Potato of good size and fine quality. 1/2 pk. 85 cts., pk. \$1.25, 1/2 bus. \$2.15, bus. \$4, sack \$9.

Best Main-Crop Potatoes

Mature in 12 to 14 weeks

Russet. The haulm is dark green; very resistant to blight. The tubers are round to oblong, very large, and from 6 to 10 are ordinarily obtained from a hill; the flesh is pure white, and the skin has a roughened russet appearance. 1/2 pk. 65 cts., pk. \$1, 1/2 bus. \$1.75, bus. \$3.25, sack \$7.

Gold Coin. A variety of remarkable productiveness and fine table quality; slightly oblong form; light golden skin; flesh pure white, fine-grained; cooks very dry. 1/2 pk. 75 cts., pk. \$1.15, 1/2 bus. \$2, bus. \$3.75, sack \$8.

Green Mountain. A late, heavy cropper of excellent quality; skin smooth and white; shape roundish flat; eyes few and shallow; a good keeper. 1/2 pk. 75 cts., pk. \$1.15, 1/2 bus. \$2, bus. \$3.75, sack \$8.

A Fine Intermediate Potato

Katahdin. Matures about a week later than Irish Cobbler. Whiteskin and white flesh, with a very shallow eye. Handsome oval shape. Excellent cooking quality, and the preferred variety for Potato chips. 1/2 pk. 85 cts., pk. \$1.25, 1/2 bus. \$2.15, bus. \$4, sack \$9.

Sweet Potato Plants

Ready in June

Yellow Jersey.

Big Stem. Yellow.

Each variety, \$1 per 100, \$7.50 per 1000

We do not ship Sweet Potatoes beyond 50 miles

SALSIFY

Vegetable Oyster

One ounce will sow about 50 feet of drill

CULTURE. Sow early in spring, in drills 12 inches apart and 1 inch deep, thinning out the young plants to 6 inches. The roots will be ready in October, when a supply should be taken up and stored like carrots.

Mammoth Sandwich Island. Tender and delicious. Superior to all other sorts. Pkt. 10 cts., oz. 35 cts., 1/4 lb. 95 cts., lb. \$2.50.

Scorzonera (Black Salsify). *Improved.* Pkt. 15 cts., oz. 50 cts., 1/4 lb. \$1.75, lb. \$5.

Produce Your Own Salads

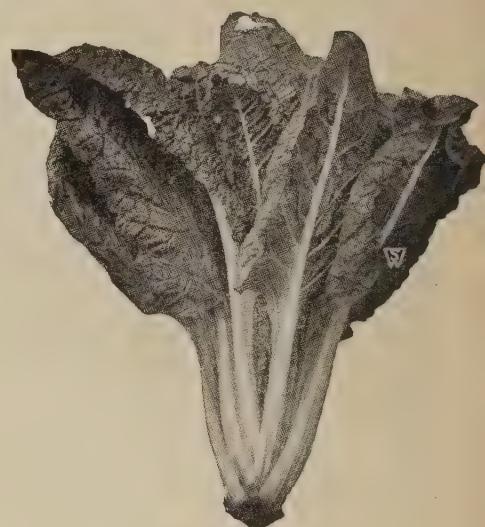
They are easy to raise in almost any garden

Grow the following kinds. Serve them uncooked and garden-fresh, so that their vitamins reach you unimpaired. They are healthful and full of minerals.

Cabbage
Celeriac
Chervil
Chinese Cabbage
Corn Salad
Cress
Cucumber
Dandelion
Endive
Lettuce

Mustard
Onion
Parsley
Pepper
Radish
Romaine
Sorrel
Tomato
Watercress
Various Herbs

The best varieties are described on pages 9 to 27, where you will also find notes on their cultivation.



Giant Lucullus Swiss Chard

SWISS CHARD

Spinach Beet

One ounce will plant about 100 feet of drill. Cutting commences in about 7 weeks

An excellent boiled-leaf vegetable, equal in quality and easier to prepare than spinach. Leaves may be boiled, adding fried chopped bacon if you so desire. The leaf-stalks may be served as a distinct dish cooked like asparagus; or you may first boil them, then fry in batter. Sow early in spring in rows and thin to 6 inches.

Mammoth New York. This is a large, distinct sort, medium green in color. The leaves are smooth, and the stalks are milk-white. Breeding has eliminated the earthy flavor common to many Chards. Pkt. 15 cts., 1/2 oz. 35 cts., oz. 55 cts.

Giant Lucullus. Plants grow to a height of 2 to 2 1/2 feet and the stalks are 1 1/2 inches broad, heavily ribbed, and from 10 to 12 inches long. The large leaves are heavily crumpled. Pkt. 10 cts., oz. 35 cts., 1/4 lb. \$1, lb. \$2.75.

Green Lyon. A vigorous-growing, stocky type with smooth, deep green leaves and broad, thick, white stalks. Pkt. 10 cts., 1/2 oz. 20 cts., oz. 35 cts., 1/4 lb. \$1, lb. \$2.75.

Fordhook. A giant variety with broad, wrinkled, dark green leaves and broad white stems. Pkt. 10 cts., oz. 35 cts., 1/4 lb. \$1, lb. \$2.75.

Rhubarb Chard. Bright crimson stems and dark green and crimson leaves give this variety a striking appearance; it looks like rhubarb at first sight. Grow and cook it as you would other Chards, and you will find it even more delicious. Decorative in the flower garden, too. Pkt. 25 cts., 1/2 oz. \$1.

SORREL

One ounce will sow about 100 feet of drill

CULTURE. Sow early in the spring in drills 6 to 8 inches apart.

Garden. Used for salads, on account of its pleasant acid flavor; also as a boiled vegetable. Yields for several years. Pkt. 15 cts., oz. 50 cts., 1/4 lb. \$1.75, lb. \$5.



Early Scarlet Globe Radishes

RADISHES

One ounce will plant about 100 feet of drill

CULTURE. As early in the spring as the ground can be worked, sow sparingly any of the round or olive-shaped varieties, allowing 1 to 1½ feet between the rows. Thin to 1 inch apart (summer and winter sorts need 4-inch spacing). Hoe frequently. The round and olive-shaped sorts serve until June 15, when Icicle and Cincinnati Market are at their best. Summer sorts are good until frost from repeated sowings. Winter varieties should be sown about July 1, and may be pulled after light frosts and stored through winter.

Round and Olive-shaped

Ready in about 25 to 30 days

Special Forcing. A superior Scarlet Globe. Very quick to mature. Its small top gives plenty of room in the frame or greenhouse. Excellent mild flavor, smooth, crisp, and good. Pkt. 15 cts., oz. 30 cts., ¼lb. 75 cts., lb. \$2.

Glowing Ball. A splendid forcer, with small tops; also a good outdoor variety. Is scarlet-red, suffused orange. Perfectly round; flesh crisp; mild flavor. Pkt. 10 cts., oz. 25 cts., ¼lb. 65 cts., lb. \$1.75.

Early Scarlet Globe. The best general-purpose variety in this class, perfecting handsome round-oval roots in from 28 to 30 days after sowing. Brilliant in color, short-leaved, crisp and white; an excellent variety for forcing. Pkt. 10 cts., oz. 20 cts., ¼lb. 50 cts., lb. \$1.50.

Crimson Giant. Round. Crisp white flesh of high quality, brittle and mild in flavor. May be grown to a larger size than most kinds before it becomes inedible. Pkt. 10 cts., oz. 20 cts., ¼lb. 50 cts., lb. \$1.50.

Sparkler. Of rich carmine-scarlet color, with a pronounced white tip. The roots are solid, crisp, and sweet. It is equally well adapted for forcing or growing in the open ground. While the leaves are small, they are sufficiently large for bunching. Pkt. 10 cts., oz. 20 cts., ¼lb. 50 cts., lb. \$1.50.

White Pearl. The finest white round Radish. Matures quickly and does not get hollow. Suitable both for spring and summer use, superior to the older variety, White Box. Pkt. 10 cts., oz. 20 cts., ¼lb. 50 cts., lb. \$1.50.

Early Scarlet Turnip. Handsome, flat-round roots, ¾ inch in diameter by ½ inch deep through. Pkt. 10 cts., oz. 20 cts., ¼lb. 45 cts., lb. \$1.25.

French Breakfast. The olive-shaped counterpart of Sparkler. Mild and crisp. Pkt. 10 cts., oz. 20 cts., ¼lb. 50 cts., lb. \$1.50.

Early Long Radishes

Ready in about 35 days

White Icicle. A good Radish for all purposes in the home-garden; also fine for market or growing under glass. Within 30 days from sowing, the roots attain a length of 4 to 5 inches, by ¾ inch in diameter at the thickest part. The skin is thin, the flesh crisp and mild. Remains for a long period in fine table condition. Pkt. 10 cts., oz. 20 cts., ¼lb. 50 cts., lb. \$1.50.

Cincinnati Market. Roots 6 to 7 inches long, an inch thick through, are produced 35 days after sowing. Skin rosy scarlet, blending into a white tip. Pkt. 10 cts., oz. 20 cts., ¼lb. 50 cts., lb. \$1.50.

Summer Varieties

Ready in about 40 days

Golden Yellow Oval. The Radishes have a yellow skin, which should be removed when preparing roots for the table. Flesh pure white, mild, crisp, and solid. Pkt. 15 cts., oz. 30 cts., ¼lb. 75 cts., lb. \$2.

White Strasburg. Shape tapering; skin and flesh both white; excellent summer variety. Pkt. 10c., oz. 20c., ¼lb. 40c., lb. \$1.25.

Long-keeping Winter Varieties

Ready in about 8 weeks

Sakurajima. Very large Japanese sort; diameter 1 foot and length 21 inches. The skin is white and the flesh is always crisp and tender. Delicate flavor. Pkt. 15 cts., oz. 40 cts., ¼lb. \$1, lb. \$3.

Rose China. Bright rose skin; flesh firm and piquant; fine for winter use. Pkt. 10 cts., oz. 20 cts., ¼lb. 50 cts., lb. \$1.50.

Long Black Spanish. The popular winter sort. Pkt. 10 cts., oz. 20 cts., ¼lb. 50 cts., lb. \$1.50.

Round Black Spanish. Pkt. 10 cts., oz. 25 cts., ¼lb. 65 cts., lb. \$1.75.

SPINACH

One ounce will plant about 100 feet of drill.
About 6 weeks elapses between seeding and gathering.

CULTURE. Sow in March or April in drills an inch deep and 14 inches apart; again in August or September. Spinach requires rich soil.

Emerald Standing. A very large and vigorous type of compact, flat, spreading growth. The leaves are large, thick, slightly crumpled, very fleshy, and carried on long stems. The color is a very dark green. The most important point about this Spinach, however, is that it *stands fully one month longer than any other variety* before bolting to seed. In spite of this, it is quite early to mature. Pkt. 10 cts., oz. 25 cts., ¼lb. 65 cts., lb. \$1.75.

Blight-Resistant. A strain of Savoy-leaved Spinach which may be grown successfully on soil infected with blight. Since it tends to bolt to flower somewhat freely, we do not advise extensive seedings in warm weather. Pkt. 10 cts., oz. 20 cts., ¼lb. 50 cts., lb. \$1.50.

Large Thick-leaved. Splendid for the market grower. Slow to run to seed; recommended for spring and early fall seedings. Pkt. 10 cts., oz. 20 cts., ¼lb. 50 cts., lb. \$1.50.

Bloomsdale Savoy. Dark green type. Valued alike by market growers and home gardeners because of its earliness. The leaves are wrinkled and crumpled. Yields heavily and is particularly hardy. The standard sort for early spring. Pkt. 10 cts., oz. 20 cts., ¼lb. 50 cts., lb. \$1.50.

SPINACH, continued

Long Standing Savoy. A medium-dark green type of the Bloomsdale Savoy that is resistant to heat. Use it for your second sowings, for it is slow to bolt. Pkt. 10 cts., oz. 20 cts., ¼lb. 50 cts., lb. \$1.50.

Summer Savoy. Will stand longer than any other Savoy. Produces a satisfactory crop in early summer when others run to seed. Very dark green, large plants, well crumpled. Pkt. 10 cts., oz. 20 cts., ¼lb. 50 cts., lb. \$1.50.



New Zealand Spinach

Ready in about 10 weeks from sowing

The plants grow vigorously, do not run to seed, and withstand drought better than true Spinach. Furnishes a summer supply of "greens." Recommended also for soils too poor to carry Spinach of the usual type.

Sow during May, in drills which should be at least 2 feet apart, as the plants spread rapidly. Thin to 9 inches between plants. Pkt. 10 cts., oz. 30 cts., ¼lb. 75 cts., lb. \$2.

Perpetual Spinach

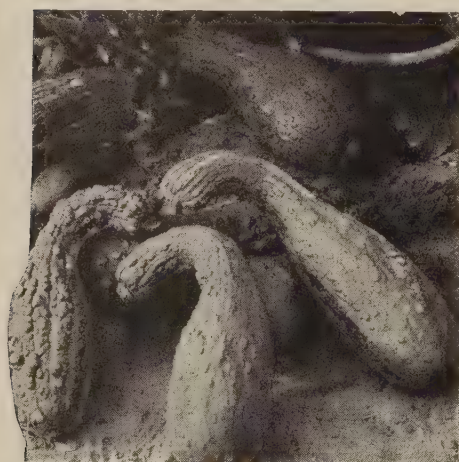
This desirable cut-and-come-again plant may be sown from April to June, and in six weeks cutting may commence, to continue right through into fall. The "greens" furnished are similar in flavor to true Spinach, the leaves being very tender; they are both palatable and healthful. Cut the leaves about 3 inches from the ground. Pkt. 15 cts., oz. 35 cts., ¼lb. \$1, lb. \$2.50.

Mustard Spinach (Tendergreen)

A new boiling vegetable, healthful and palatable. Has a pleasant flavor, and many who do not like true Spinach will relish it. Cut within a month of sowing seed. Pkt. 10 cts., oz. 20 cts., ¼lb. 45 cts., lb. \$1.25.



Savoy Spinach



Giant Bush Summer Crookneck Squash

SQUASH

One ounce plants about 25 hills

CULTURE. It is not advisable to plant before May 15. Sow bush varieties in hills 6 feet apart; trailing sorts 6 to 8 feet apart. Sow 6 or more seeds, thin later to three plants in a hill.

Summer Varieties

Ready in about 9 weeks from sowing

Giant Bush Summer Crookneck. The Crookneck Squash has been a popular favorite for many years, because of its refined, fresh, delicious flavor. In this newer Giant type, these fine points are retained, but the fruits are much larger, being double the size. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Acorn (Table Queen; Des Moines). One of the earliest. The fruits are 6 inches long by $4\frac{1}{2}$ inches in diameter; dark green shell, but the flesh is light yellow and thick. A trailing summer Squash that also keeps well into winter. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Golden Table Queen. In this newer, slightly smaller type, the flesh is exceptionally sweet, rich and pleasing. Skin ripens to a golden yellow. A prolific sort, excellent for home and market-growing. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

Long Island White Bush (Improved Patty Pan). Shallow grooves and a thicker, heavier fruit than the type. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Straightneck. Selected from the Giant Summer Crookneck, but with a straight neck. Fruits are warted, 18 to 20 inches long. Delicious flavor. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Zucchini. European sort that is becoming popular here. Very prolific, tender, and of mild flavor. The fruits should be gathered when they are 6 inches in length, and are prepared like any other Squash, or fried in the same way as eggplant. Pkt. 15 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.

Fall or Winter Varieties

Ready in from 14 to 15 weeks from sowing

Chicago or Warted Hubbard. A selection of the largest and best rough-skinned specimens. Strong, robust growth; fruits large, heavily warted, splendid shape and dark green; flesh rich and dry. Pkt. 15 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.25.

FALL OR WINTER SQUASHES, continued

Golden Hubbard. The fruits are of the same shape as the Green Hubbard, but they average one-third less in size. Orange skin; flesh deep gold. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Hubbard. Bluish green, occasionally marked with brownish orange. Will keep from September to May. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.

Boston Marrow. A very popular Squash for fall or winter use. Oval in form; bright orange color; flesh yellow. A splendid keeper and excellent for pies. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Delicious. Noted for its fineness and compactness of grain, dryness, and sweet, rich flavor. Top-shaped fruits weigh from 5 to 10 pounds. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Mammoth Chili. A late, exceptionally large variety that is popular for exhibition purposes. Orange-yellow color. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Noodle Squash

Puncture one end of the fruit and cook it for 30 to 40 minutes. Prior to serving, cut it in half, and the flesh will fall out in shreds, suggestive of spaghetti. May be served hot with sauce, salt, and butter, or as a cold dish with vinegar dressing. The mottled green fruits, 8 to 12 inches long, turn yellowish white and resemble the Marrow Squash in appearance. Pkt. 15 cts., 2 pkts. 25 cts., oz. 50 cts.

VEGETABLE MARROW

One ounce plants 50 hills. Ready in 8 weeks.

Occupies an important place in European gardens, and is considered superior by some to Squash. Cultivation is similar to that of Squash, although it is often grown in a few inches of soil placed on a manure-pile. The Marrows are gathered before they ripen. They are peeled, divided, and the seeds are removed; then cut into squares, boiled until tender, and served with cream sauce.

Long Green Trailing. The fruits are about 20 inches in length and 3 to 4 inches in diameter, with dark green skin, marbled with a paler shade. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Long White Trailing. The fruit is similar in shape to the Long Green. The yellowish white skin is smooth and the flesh is remarkably tender. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Moore's Cream. An improved small-fruited variety. The fruits are oval, cream-colored, and of a very delicate flavor. Pkt. 15 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75.

Italian Vegetable Marrow (Cocozelle Squash). A non-trailing type producing oblong fruits a foot in length and about 5 inches in diameter, handsomely mottled dark and light green. A great favorite. Pkt. 15 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts.

Mixed Vegetable Marrow. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25.

An All-Leaf Turnip

Seven Top. In this variety there is little root-development. The leaves, however, are very numerous and large, and are recommended to those who esteem "Turnip-tops" as a particularly healthful and palatable green cooked vegetable. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.

TURNIP

One ounce will plant about 150 feet of drill

CULTURE. For early Turnips, sow as soon as the ground opens in spring. Rutabagas should be sown from any time in June to first of August, but other kinds for winter use may be sown from the middle of July to the end of August.

Fine White-fleshed Types

Ready in from 7 to 9 weeks

Early White Milan. Quick to mature, the entire "bulb," inside and out, is clear white; the outer surface is perfectly smooth. Its table qualities are unequaled, being tender and of the most delicate flavor. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Purple-Top White Globe. Spherical, skin white with upper one-third purple. Superior flavor. Will store over winter. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.

Snowball. Early, globe-shaped root; smooth, clean, and free from coarseness. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.

Purple-Top Milan. A flat Turnip with the upper portion tinted purple. Flesh is pure white, delicate, and sweet. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Long White or Cow-Horn. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.

Yellow-fleshed Turnips

Golden Ball or Orange Jelly. A medium-sized Turnip with golden yellow flesh of fine texture. One of the best table varieties. Small tap-root and matures early. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.

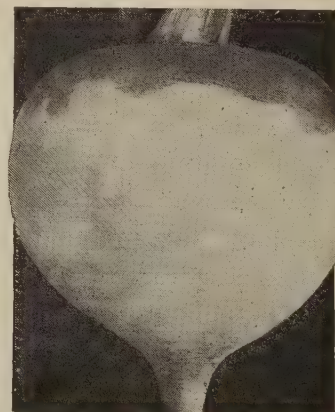
Yellow Aberdeen. A hardy variety of fine form and excellent quality. It has a purple top, keeps well, and is excellent both for the table and for stock. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.

Yellow Stone. In shape a perfect globe, uniform, and of medium size; the color is pale yellow, and the quality is of the best, being very melting and buttery. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.

RUTABAGA

Russian or Winter Turnip

Long Island Improved. This special strain is of uniform shape and fine quality, and is also a splendid keeper. It grows to a large size, the skin is smooth, and flesh is yellow and fine-grained. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.25.



Purple-Top White Globe Turnip

If you stake your Tomato
Plants, fasten them with

PLANT TWISTS,

made of wire which bends easily; plant is protected by soft fibers.
\$1 per 100 See Implement Section



Marglobe Tomato

TOMATOES

One ounce will produce about 1000 plants.
Yield begins 9 to 13 weeks after setting out.

CULTURE. Seed may be sown sparingly in a hot-bed, greenhouse, or in the home from the second week in February to the end of April. When the plants are about 2 inches high they should be transplanted about 4 inches apart, or thinned so that they do not overcrowd. Around May 15 the plants may be set out in the open ground, 3 feet each way. For an autumn crop, sow seed in May in the open.

Victor. A new early variety of high quality. The vines are small, and may be planted closer than most others, making it excellent for the home-garden; the fruits are bright scarlet, with a smooth skin. They ripen evenly, and lack the cracks and wrinkles found in other sorts. Pkt. 20 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.

Marglobe. A large Tomato of the globe type. It is a fine red color and of delicious table quality. Sets fruits medium early and continuously. A feature is its *strong, robust constitution*; it resists wilt, is immune to rust, and will produce fruit during periods of unfavorable weather. Used on large estate and home-gardens; excellent for the market grower. Pkt. 10 cts., $\frac{1}{2}$ oz. 45 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.

Pritchard's Scarlet Topper. Recommended for yield, meatiness, fine flavor, and small seed-cavity. Coming into bearing ahead of most sorts, it continues to yield after others have ceased. A large scarlet fruit, deeply globular in shape, it slices economically. Resistance to wilt and rust has been bred into it. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.25.

Mingold. Awarded the Silver Medal for outstanding quality in the All-America Seed Selections for 1939. A mild-flavored, yellow type, shaped like Marglobe. Splendid for yellow Tomato juice, and for salads. It contains additional vitamin D. Pkt. 25 cts., 5 pkts. \$1, oz. \$1.50.

Oxheart. A distinct, attractive variety of recent introduction. Fruits very large, heart-shaped, pink, with very few seeds, meaty, and of mild flavor. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.25.

Scarlet Dawn. A new, deep globe-shaped variety, very quick to commence bearing, and very prolific. Fruits are bright scarlet, solid, and of pleasing flavor. Highly resistant to disease. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.25.

Rutgers. Vigorous plant bearing large, globular, deep red fruits in quantity. Resistant to disease and especially valuable on hillside, light or poor land. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.25.

John Baer. An early, bright red Tomato of wonderful quality. One of the heaviest-yielding sorts. The flesh is solid, possessing a fine flavor, free from acid. Pkt. 10 cts., $\frac{1}{2}$ oz. 45 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.

Ponderosa. Enormous size is the chief characteristic of this variety. While slightly ribbed, it is very solid and luscious. The fruits are deep purple, oblong in form and with small seed-cells. They frequently weigh one pound each. Pkt. 20 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.

Stone. One of the most reliable main-crop red Tomatoes and a favorite with truckers and canners. The plant is very vigorous and the deep red fruits are produced freely; they are uniform, large, round, smooth, meaty, and possess very little core. The flavor is non-acid. Stone is notable for its heavy yield and high quality. Pkt. 10 cts., $\frac{1}{2}$ oz. 45 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.

Bonny Best. A leader among the early sorts. The fruits are bright red in color, of medium size, and are produced in large quantities. Pkt. 10 cts., $\frac{1}{2}$ oz. 45 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.

Chalk's Early Jewel. Uniformly large, bright red, deep, solid fruit. Bears large Tomatoes throughout the season, and for quantity and quality of fruit it is without a rival among the extra-earlies. Pkt. 10 cts., $\frac{1}{2}$ oz. 35 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75.

Beefsteak or Crimson Cushion. Largest of the bright red Tomatoes. Flattish round in shape, and thick from stem to blossom end. Brilliant scarlet-crimson, the flesh is firm and of superb quality. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.25.

Earliana. The earliest red Tomato. Plants have short, close-jointed branches, and set fruit very freely in the center. The fruits average 3 inches in diameter and $2\frac{1}{4}$ inches in depth; solid, with few seeds. Pkt. 10c., $\frac{1}{2}$ oz. 35c., oz. 60c., $\frac{1}{4}$ lb. \$1.75.

Golden Queen. A yellow-fruited sort, excellent for slicing. Pkt. 10 cts., $\frac{1}{2}$ oz. 45 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.

Two Dwarf Varieties

Dwarf Champion. Potato-like foliage and a sturdy, stocky plant. Fruits medium size and purple-pink. Pkt. 10 cts., $\frac{1}{2}$ oz. 35 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75.

Dwarf Stone. The fruits, produced in clusters of three to five, average 4 inches in diameter and $2\frac{1}{2}$ inches in depth. Pkt. 10 cts., $\frac{1}{2}$ oz. 35 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75.

Small-fruited Tomatoes

These are valuable for making pickles, preserves, pepper-hash, etc. Their small size, quaint shapes, and bright colors help to make salads that are attractive, and their pleasing, sweet flavor also makes them desirable.

San Marzano. An Italian scarlet variety, with thick, somewhat dry flesh, recommended for preserves, pastes and sauces. Plants are covered with cylinder-shape fruits $2\frac{1}{2}$ inches long and $1\frac{1}{4}$ inches thick, with round ends. Pkt. 20 cts., $\frac{1}{2}$ oz. 65 cts., oz. \$1.10, $\frac{1}{4}$ lb. \$3.50.

King Humbert. The fruits are suggestive of a hen's egg in shape and size, and are bright scarlet in color.

Yellow Cherry
Red Cherry
Red Currant
Peach

Red Pear
Yellow Pear
Red Plum
Yellow Plum

Above varieties, except where noted, each, pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.25.

Strawberry or Husk Tomato

The plants are of dwarf, spready growth and very productive of sweet-flavored, yellow fruits about the size of a cherry and inclosed in a husk. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.25.

Forcing Tomatoes

For cultivation under glass.

S. & W. Co.'s Best of All. Fruits of moderate size, smooth, round, and set in bunches. Color rich scarlet-red. Equally good for outdoor culture. Pkt. 20 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Comet. Is very short-jointed, fruiting close up to the stem. The deep scarlet Tomatoes are of medium size. Pkt. 15 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

Sunrise. A fruit of fine quality, small to medium in size, perfectly round, and produced in long clusters. Pkt. 20 cts., $\frac{1}{4}$ oz. 40 cts., oz. \$1.25.

Victory Forcing. A popular variety in England. Pkt. 50 cts., 3 pkts. \$1.25.

WATERMELONS

One ounce will plant about 50 hills. Ready in from 12 to 13 weeks after sowing.

CULTURE. Plant about 8 seeds in a hill, and have the hills 8 feet apart; thin to 3 plants to a hill.

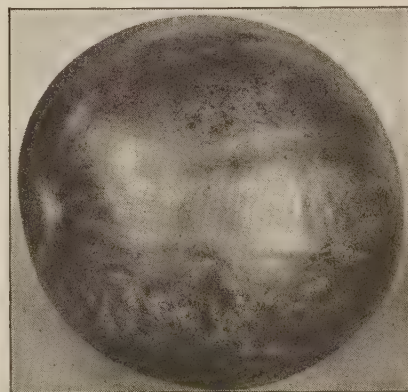
Cole's Early. Succeeds in northern states, where Watermelons never matured before. Flesh bright red, crisp, and delicate in texture, of sweet, refreshing flavor. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Kleckley Sweets. The sweetest of all the Watermelons. Fruits large with very brittle, unusually thin, green rind and firm, tender, fine-flavored, scarlet flesh. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.25.

Tom Watson. A long melon with a tough rind. Flesh red, sweet, and tender. Prolific. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

Pride of Muscatine. A wilt-resistant variety. Outwardly resembles Kleckley Sweets. Flesh is light pink, with edible qualities slightly inferior to other types offered, but for wilt-infested areas will prove outstanding. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 70 cts., lb. \$2.

Citron. Used for preserves. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.



Cole's Early Watermelon

Grandmother's favorites, these interesting, attractive and useful plants were in the gardens of colonial America. And prior to the time of Columbus, they provided the homemaker of medieval Europe with her salads, condiments, perfumes, and remedies.

ANISE. *Pimpinella Anisum*. Seeds flavor candy, cordials, and pastries; aid digestion. Leaves used for salads or garnishing. Annual; 16 inches. **Seed only**, pkt. 15 cts., oz. 30 cts.

BALM. *Melissa officinalis*. Lemon-scented foliage used for flavoring food, vinegar, confections, wines, and liqueurs, and is added to salads. Balm tea is an old remedy, recommended for fevers, asthma and headaches. 18 inches. **Plants only**, 90 cts. for 3.

BASIL, Sweet (Basilico). *Ocimum Basilicum*. Leaves used for flavoring. An infusion makes a skin lotion and is used internally. Snuff, from the leaves, is a headache remedy. Annual; 12 inches. **Seed only**, pkt. 20 cts., oz. \$1.25.

BASIL, Lettuce-leaved. *Ocimum bullatum*. Larger leaves than the above. Uses are the same. Annual. **Seed only**, pkts. 25 cts., oz. \$1.50.

BEE-BALM (Oswego Tea, Bergamot). *Monarda didyma*. The plant is fragrant. Dried leaves and seeds are an ingredient in potpourri. Thymol is made from it. **Seed**, pkt. 35 cts. **Plants**, 90 cts. for 3.

BENE. *Sesamum orientale*. An old remedy for dysentery. Seeds impart a nut-like flavor to confections; yield oil of sesame or teel-oil. Annual. **Seed**, pkt. 10 cts., oz. 40 cts.

BETONY (Woundwort). *Stachys officinalis*. Old-time remedy. 3 feet. **Plants only**, 90 cts. for 3.

BORAGE, GURKENKRAUT. *Borago officinalis*. Flowers used in salads and candied for sweets; also to flavor cordials. 2 feet. **Seed**, pkt. 25 cts. **Plants**, 90 cts. for 3.

BURNET (Pimpinella). *Sanguisorba minor*. Leaves used for flavoring; their flavor resembles cucumbers. An infusion makes a face lotion. Give a pleasing bouquet to wine. 20 inches. **Seed**, pkt. 25 cts. **Plants**, 90 cts. for 3.

CARAWAY. *Carum Carvi*. Well-known flavoring for cordials and sauces; also for bread- and cake-making. Annual; 18 inches. **Seed only**, pkt. 25 cts.

CATNIP. *Nepeta Cataria*. Shoots used for seasoning; tea was made from it before tea came out of China. Allegedly turns mild people ferocious. Interests the domestic cat. 3 feet. **Seeds**, pkt. 25 cts. **Plants**, 90 cts. for 3.

CHAMOMILE. *Anthemis nobilis*. Tonic, febrifuge, sedative and hair-bleach; emetic in large quantities. Smoked, it relieves asthma. A Chamomile poultice helps toothache. 1 foot. **Seed**, pkt. 25 cts. **Plants**, 90 cts. for 3.

CHIVES. *Allium Schoenoprasum*. Mild onion flavor, used as a salad ingredient. 10 inches. **Seed**, pkt. 15 cts., oz. \$1. **Plants**, 90 cts. for 3.

CORIANDER. *Coriandrum sativum*. Seeds used in cooking, candy-making, and flavoring cordials. Annual; 2½ feet. **Seed only**, pkt. 15 cts., oz. 50 cts.

COSTMARY (Alecot). *Chrysanthemum Balsamita*. For scenting linen. Beer was flavored with it, and a tea made from the dried leaves. 2½ feet. **Plants only**, 90 cts. for 3.

DILL. *Anethum graveolens*. Seeds are an ingredient in dill pickles, and used for flavoring preserves. Annual; 2½ feet. **Seed only**, pkt. 10 cts., oz. 35 cts., ¼ lb. \$1.

Our Nursery Department ALSO OFFERS—

PARSLEY PLANTS. Pot-grown, 20 cts. each, 50 cts. for 3.

WATER CRESS. *Radicula Nasturtium-aquaticum*. Makes delicious sandwiches. Plant below the edge of a pond or slow stream; grows quite well on land also, provided you give it a moist situation. **Seed**, pkt. 20 cts., ¼ oz. 60 cts., oz. \$1. **Plants**, 90 cts. for 3.

Both Parsley and Water Cress furnish more iron than Spinach. They are excellent sources of vitamins A and C and good sources of vitamin B. Water Cress furnishes vitamin G.

Fragrant Rose Geranium

This sweet-scented Pelargonium grows in the garden all summer. It is not hardy, but may be carried over winter in a sunny window. We ship in paper pots, each 35 cts., \$1 for 3.



BALM CHIVES



LAVENDER LAVENDER COTTON



MARJORAM ROSEMARY



PEPPERMINT SPEARMINT



RUE SAGE



WINTER SAVORY SOUTHERN WOOD



TANSY PENNYROYAL



CITRON THYME TARRAGON



BEACH WORMWOOD FRINGED WORMWOOD

Old-Time Herbs

CULINARY AROMATIC MEDICINAL HERBS

For the Kitchen Garden and for the formal fragrant, old-time Herb Garden

ELECAMPANE. *Inula Helenium*. Roots have medicinal properties. 4 feet. **Plants only**, 90 cts. for 3.

FENNEL (Finocchio). *Faniculum vulgare*. Looks like celery but with feathered leaves and a sweet flavor. Leaf-bases are swollen and flattened in the Florence type, which we offer. Served as a vegetable, raw or cooked, while the seeds are used for flavoring. Supposed to impart physical strength and cure obesity. Treat as an annual; 2 feet. **Seed only**, pkt. 15 cts., oz. 55 cts., ¼ lb. \$1.75, lb. \$5.

FENUGREEK. *Trigonella Fenum-Græcum*. Odorous annual; seeds used in the East as a drug, dye, and food. Ingredient in curry powder. By stimulating thirst and aiding digestion, increases one's weight. 2 feet. **Seed only**, pkt. 15 cts.

HOREHOUND. *Marrubium vulgare*. For seasoning. Cough remedy made from leaves; a tea, valuable in chest ailments, also. 3 feet. **Seed**, pkt. 25 cts. **Plants**, 90 cts. for 3.

HYSSOP. *Hyssopus officinalis*. Decorative plant for edging and an everlasting. For flavoring and has medicinal properties. 1 foot. **Seed**, pkt. 25 cts. **Plants**, 90 cts. for 3.

LAVENDER *Lavandula vera*. Dried flowers impart a fragrance to linen; from them lavender-water is distilled. We offer the perfumed "Munstead Strain." 2 ft. **Seed**, pkt. 25 cts. **Plants**, 90 cts. for 3.

LAVENDER-COTTON. *Santolina incana*. Aromatic plant, valuable for edging. Green foliage or gray foliage plants can be furnished. 1½ feet. **Plants only**, 90 cts. for 3.

LEMON VERBENA. *Aloysia citrodora*. Very fragrant plant with the odor of lemon. Not strictly hardy; needs protection over winter. **Plants only**, 90 cts. for 3.

LOVAGE. *Levisticum officinale*. Liebstock. Seeds used in confectionery; leaves are blanched and eaten like celery. 4 feet. **Plants only**, 90 cts. for 3.

MARJORAM, Pot. *Origanum vulgare*. Leaves used in salads; potpourri ingredient. Valuable edging plant. 20 inches. **Plants only**, 90 cts. for 3.

MARJORAM, Sweet or Knotted. *Origanum Majorana*. Leaves are employed for seasoning and are added to salads. A perfumery oil is extracted from it. Potpourri ingredient. 2 feet. **Seed**, pkt. 25 cts. **Plants**, 90 cts. for 3.

MINTS (Perennials)

Require moist ground and shade. The "Mint Pool" was a feature of the monastery garden of medieval times.

ANISE MINT. *Mentha viridis anisatus*. The aroma of anise combined with mint. For salads and cold drinks. 2 feet. **Plants only**, 90 cts. for 3.

APPLE MINT. *M. rotundifolia*. For flavoring beverages, jellies, and confections. 2½ feet. **Plants only**, 90 cts. for 3.

CREeping MINT. *M. Requeini*. Miniature variety for planting in "crazy pavements." 8 inches. **Plants only**, 90 cts. for 3.

Additional Plants

These have medicinal properties, or are of sentimental interest; they are described elsewhere in this catalogue. Please consult the index.

Aconite (Monkshood)	Germander. <i>Teucrium</i> .
Boneset. <i>Eupatorium</i> .	Heart's Ease. <i>Pansy</i> .
Chervil.	Horse-Radish.
Cowslip. <i>Primula</i> .	Marigold. <i>Calendula</i> .
Dandelion.	Monkshood. <i>Aconitum</i> .
Dittany. <i>Dictamnus</i> .	Musk. <i>Mimulus</i> .
Feverfew. <i>Pyrethrum</i> .	Soapwort. <i>Saponaria</i> .
Garlic.	Stramonium. <i>Datura</i> .

Dried Herbs

To Place on Your Pantry Shelf

Per 2 to 3-oz. bottle	Per 2 to 3-oz. bottle
Basil \$0 60	Sage \$0 45
Marjoram 45	Savory 45
Mint 50	Tarragon 75
Rosemary 45	Thyme 45

COLLECTION NO. 2H. One bottle each of above (value \$4.10), in attractive box, \$3.75.

HERBS CULINARY AROMATIC MEDICINAL

For the Kitchen Garden and for the formal fragrant, old-time Herb Garden

MINTS, continued

CURLY MINT. *Mentha crispa*. Sweet, pungent scent. Quaint, curly leaves. **Plants only**, 90 cts. for 3.

LEMON MINT (Bergamot Mint). *M. citrata*. Unusual "lemony" scent. May be used for flavoring. **Plants only**, 90 cts. for 3.

PEPPERMINT. *M. piperita*. True English. An essence is distilled and a medicinal tea is infused from mint. For flavoring juleps. From it menthol is obtained. 3 feet. **Plants only**, 90 cts. for 3.

WOOLLY MINT. *M. tomentosa*. A strong grower, with large, gray, woolly aromatic leaves. **Plants only**, 90 cts. for 3.

SPEARMINT. *M. viridis*. The common garden mint. For mint sauce, julep, jelly, etc., and for flavoring vegetables in cooking. Leaves candied for sweetmeats. 2 feet. **Plants only**, 90 cts. for 3.

ENGLISH PENNYROYAL. *M. Pulegium*. Aromatic medicinal herb. Valuable in the kitchen for seasoning. 1 foot. **Plants only**, 90 cts. for 3.

ROSEMARY. *Rosmarinus officinalis*. For seasoning; dried leaves may be added to potpourri. They repel moths. 4 feet. **Seed**, pkt. 25 cts. **Plants**, 90 cts. for 3.

RUE. *Ruta graveolens*. The bitter leaves are employed for seasoning and beverage flavoring. An essential oil is used in toilet preparations. Poultry remedy for roup. In medieval prisons was used to keep down typhus. 2½ feet. **Seed**, pkt. 25 cts. **Plants**, 90 cts. for 3.

SAFFLOWER (False Saffron). *Carthamus tinctorius*. Has diaphoretic properties. Used as a dye and an ingredient in cosmetics. Annual; 3 feet. **Seed only**, pkt. 25 cts.

SAGE, Common. *Salvia officinalis*. Dried leaves are employed for stuffings and sauces. Chinese today prefer a tea infused from it to tea as we know it. Essential oil used in perfumery. 15 inches. **Seed**, pkt. 25 cts. **Plants**, 90 cts. for 3.

SAVORY, Summer. *Satureja hortensis*. Bohnenkraut. Seasoning for all dishes. Imparts a meat-like flavor to vegetables. Annual; 18 inches. **Seed only**, pkt. 15 cts.

SAVORY, Winter. *S. montana*. Seasoning herb and for flavoring liqueurs. Relieves bee-stings. Valuable edging perennial; needs a mulch over winter. 1 foot. **Plants only**, 90 cts. for 3.

SCURVY-GRASS. *Cochlearia officinalis*. Salad ingredient. Antiscorbutic herb. Annual; 1 foot. **Seed only**, pkt. 25 cts.

TANSY. *Tanacetum vulgare*. For seasoning and flavoring. Was claimed to preserve meat. 1 foot. **Seed**, pkt. 25 cts. **Plants**, 90 cts. for 3.

COLLECTIONS OF HERBS Twelve Flavorful Culinary Herbs

Balm	Sweet Marjoram	Sage
Chives	Peppermint	Winter Savory
Lovage	Spearmint	Tarragon
Pot Marjoram	Rue	English Thyme

COLLECTION:

AH 12 plants, one each of the above . . \$3.25
AH3 36 plants, three each \$9.00

Culinary Herbs from Seeds

Collection DH. ONE PACKET, 1 each of the annual Herbs: Basil, Caraway, Coriander, Dill, Summer Savory. **70c.**

These Annuals are desirable to round off Collections AH or AH3, giving you 17 different Culinary Herbs in all.



Old-Time Herbs

In medieval times much thought was expended on the design of the herb garden, because here, amid their perfume, contentment could be found. In your herb garden today, you again can capture the atmosphere of lavender and old lace.

THYMES

CITRON or LEMON THYME. *Thymus citriodorus*. Scented carpeting plant. A few leaves in tea will enhance the aroma. 10 inches. **Plants only**, 90 cts. for 3.

COMMON THYME (English Thyme). *T. vulgaris*. Broad leaves. For seasoning foods, including salads and wine. Excellent edging plant. 8 inches. **Seed**, pkt. 25 cts. **Plants**, 90 cts. for 3.

FRENCH THYME. *T. vulgaris*. Dwarf, small-leaved, heath-like plant. Potpourri ingredient. Plant it to be walked on and release its fragrance. 8 inches. **Plants only**, 90 cts. for 3.

CRIMSON THYME. *T. Serpyllum coccineus*. Dense, fragrant mat-plant for edging. 10 inches. **Plants only**, 90 cts. for 3.

MOTHER OF THYME (Creeping Thyme). *T. Serpyllum*. Valuable evergreen edging; also used for seasoning. 10 inches. **Plants only**, 90 cts. for 3.

VALERIAN (Heal-All, St. George's Herb). *Valeriana officinalis*. Brilliant spring flowers with spicy fragrance. Spikenard ointment made from it; still used in medicine. 4 feet. **Plants only**, 90 cts. for 3.

WOODRUFF (Waldmeister). *Asperula odorata*. Dried leaves have perfume of new-mown hay; put with household linen. Used in "May wine." Formerly applied to sword wounds. Edging plant for partial shade. 8 inches. **Plants only**, 90 cts. for 3.

WORMWOODS

BEACH WORMWOOD (Old Woman, Dusty Miller). *Artemisia Stelleriana*. Gray edging plant. 2 feet. **Plants only**, 90 cts. for 3.

COMMON WORMWOOD (Wermuth). *A. Absinthium*. Wormwood tea is a vermifuge. Used to flavor absinthe. 18 inches. **Plants only**, 90 cts. for 3.

FRINGED WORMWOOD. *A. frigida*. For flavoring; used in perfumery. 1½ feet. **Plants only**, 90 cts. for 3.

MUGWORT. *A. lactiflora*. Fragrant perennial. The bitter leaves may be used for seasoning. Once a household remedy. 4 feet. **Seed**, pkt. 25 cts. **Plants**, 90 cts. for 3.

OLD MAN (Southernwood, Lad's Love). *A. Abrotanum*. Shrubby plant with divided, highly aromatic leaves. Keeps moths from clothing; sprinkled on the stove, will dispel kitchen odors. 3 to 4 feet. **Plants only**, 90 cts. for 3.

TARRAGON. *A. Dracunculus*. Estragon. For salads and flavoring vinegar. Essential oil used in perfumery. Cannot be reproduced from seed. **Plants only**, 50 cts. each.

COMMON YARROW. *Achillea Millefolium*. Fragrant foliage. Old favorite. 2½ feet. **Seed**, pkt. 15 cts., oz. 35 cts. ¼ lb. \$1. **Plants**, 90 cts. for 3.

WOOLLY YARROW. *A. tomentosa*. Carpet-like, gray, aromatic plant. Charming edging perennial; 1 foot. **Plants only**, 90 cts. for 3.

COLLECTIONS OF HERBS Twelve Sweetly Fragrant Herbs

Bee-Balm	Anise Mint	Rosemary
Chamomile	Apple Mint	French Thyme
Costmary	Old Man	Lemon Verbena
Lavender	Pennyroyal	Woodruff

COLLECTION:

BH 12 plants, one each of the above . . \$3.25
BH3 36 plants, three each \$9.00

Twelve Ornamental Herbs

For edging in the formal garden or planting in beds or borders

Bee-Balm	Woolly Mint
Betony	Mugwort
Germander (See p. 100)	Rosemary
Hyssop	Tansy
Lavender Cotton, gray	Beach Wormwood
Lavender Cotton, green	Common Wormwood

COLLECTION:

CH 12 plants, one each of the above . . \$3.25
CH3 36 plants, three each \$9.00

Farm Seeds of High Quality

IMPROVED FIELD CORN

Sow 1 peck per acre for ears, $\frac{1}{2}$ bushel for silage, up to 1 bushel for fodder. Rows wide enough apart to allow tractor cultivation.

Flint Corns and early Dents are quick plants of moderate size and are grown for ears. Slower Dent sorts are larger and are for both ears and leaves. Fodder varieties are still larger and are grown for their leaves.

HYBRID CORNS

These will give you higher yields, deeper roots that will resist storms and droughts, and have less disease.

S. & W. Co.'s Hybrid Yellow Dent. (105 days.) Heavy-yielding variety. Produces very long, large, sound ears, deep grains; strong, stocky, medium-tall stalk. Excellent for ensilage as well as grain. Qt. 50 cts., postpaid 65 cts.; pk. \$2.50, bus. \$8, 10 bus. \$75.

Cornell No. 29-3 Hybrid Dent. (110 days.) Adapted to our eastern conditions. Yellow kernels with a slight red tinge. It is a double-crossed hybrid. Splendid for ensilage in areas with short seasons and grain for other areas. Qt. 50 cts., postpaid 65 cts.; pk. \$2.50, bus. \$8, 10 bus. \$75.

Southern Hybrid Sweepstakes. (Fodder.) A cross between inbred strains of the heaviest yielding and largest stalked late southern ensilage variety, and the heaviest yielding early northern fodder Corn. Makes a large stalk and heavy tonnage, and will often mature grain in the North. Qt. 45 cts., postpaid 60 cts.; pk. \$2, bus. \$7, 10 bus. \$65.

Golden Eureka (Dent). Under favorable conditions may yield 150 bushels of ears or 25 tons of silage per acre. Grows 12 feet high; ears average 12 to 15 inches long, 18 to 20 rows, yellow grains, and small cob. 100 days. Qt. 25 cts., postpaid 40 cts.; pk. \$1.35, bus. \$4, 10 bus. \$37.50.

Cornell No. 11 (Dent). A 110- to 115-day yellow Corn for silage as well as grain. Ears 9 to 10 inches, 14- to 18-rowed, with small red cobs. Grows 8 to 9 feet tall. Qt. 25 cts., postpaid 40 cts., pk. \$1.35, bus. \$4, 10 bus. \$37.50.

Longfellow (Flint). Ears 12 inches long; cobs small; kernels of good size. Safe for the production of ears as far north as Massachusetts. Qt. 25 cts., postpaid 40 cts.; pk. \$1.25, bus. \$3.75, 10 bus. \$35.

Jumbo Silage. (Fodder.) Large plant, 12 to 15 feet high. Recommended for low, rich lands. Qt. 30 cts., postpaid 45 cts.; pk. \$1.50, bus. \$4.50, 10 bus. \$42.50.

Improved Horsetooth. (Fodder.) Pk. \$1.15, bus. \$3.50, 10 bus. \$32.50.

Evergreen. (Fodder.) A sweet Corn valuable as silage or green fodder. Qt. 35 cts., postpaid 50 cts.; pk. \$1.50, bus. \$5, 10 bus. \$47.50.



Mangel-Wurzel

POP-CORN

Slow curing under cover in thin layers and with maximum ventilation ensures good popping quality. Sow 5 pounds per acre in hills.

Sunburst. Fine large, yellow kernels that have a buttery tint when popped. Lb. 30 cts., postpaid 40 cts.; 10 lbs. \$2.25, 100 lbs. \$15.

Japanese Hulless. Small, white kernels. Lb. 30 cts., postpaid 40 cts.; 10 lbs. \$2.25, 100 lbs. \$15.

POP-CORN FOR POPPING, Sunburst. Lb. 15 cts., postpaid 25 cts.; 5 lbs. 70 cts., postpaid 85 cts.; 100 lbs. \$9.

Japanese Hulless. Lb. 15 cts., postpaid 25 cts.; 5 lbs. 70 cts., postpaid 85 cts.; 100 lbs. \$10.

SEMESAN JR. IMPROVED. Corn-disinfectant. Protects seed against rotting, increases germination, controls blight. Lb. 75 cts., 5 lbs. \$3, 25 lbs. \$12.50. (Circular on request.)

ROOTS FOR STOCK

Palatable, digestible, nutritious, and easily stored food is yielded in large quantity by Mangels, Rutabagas, and Carrots.

MANGEL AND SUGAR BEET

Sow in drills 30 inches apart; thin to 12 inches. 6 to 8 lbs. per acre in the spring.

Mammoth Long Red. The skin is bright red, and under favorable conditions the roots may reach 3 feet in length. Oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50, 10 lbs. \$14.

Champion Yellow Globe. Roots moderate in size and of exceptional quality. Yellow skin; white flesh; highly nutritious. $\frac{1}{4}$ lb. 60 cts., lb. \$1.50, 10 lbs. \$14.

Pedigreed Ideal. Cylindrical in shape and grows high out of the ground. Yellow skin and white flesh; highly nutritious. $\frac{1}{4}$ lb. 85 cts., lb. \$2.25, 10 lbs. \$21.50.

Half-Sugar Rose. Long root with pink skin and white flesh. $\frac{1}{4}$ lb. 50 cts., lb. \$1.35, 10 lbs. \$12.50.

Golden Tankard. $\frac{1}{4}$ lb. 60 cts., lb. \$1.50, 10 lbs. \$14.

Mammoth Long Yellow. $\frac{1}{4}$ lb. 75 cts., lb. \$1.75, 10 lbs. \$16.50.

Klein Wanzleben Sugar Beet. Root contains a high percentage of sugar. Oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75, 10 lbs. \$16.50.

RUTABAGA OR SWEDE

Sow 4 pounds per acre in June, in drills 30 inches apart.

American Purple-Top. Reddish purple top; nutritious yellow flesh; spherical shape. $\frac{1}{4}$ lb. 85 cts., lb. \$2.25, 10 lbs. \$21.50.

Long Island Improved. Oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.25, 10 lbs. \$21.50.

CATTLE CARROT

Valuable for horses. Sow 4 pounds per acre from May 15 to July 1.

Mammoth White Belgian. Root 16 inches long. Skin white; flesh white. $\frac{1}{4}$ lb. \$1.25, lb. \$3.50, 10 lbs. \$34.

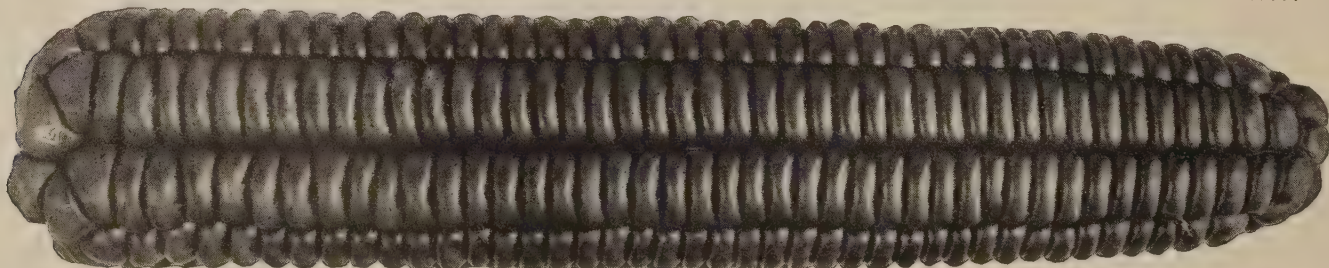
Danvers Cattle. $\frac{1}{4}$ lb. \$1.45, lb. \$5, 10 lbs. \$48.50.

Long Orange Cattle. $\frac{1}{4}$ lb. \$1.45, lb. \$5, 10 lbs. \$48.50.

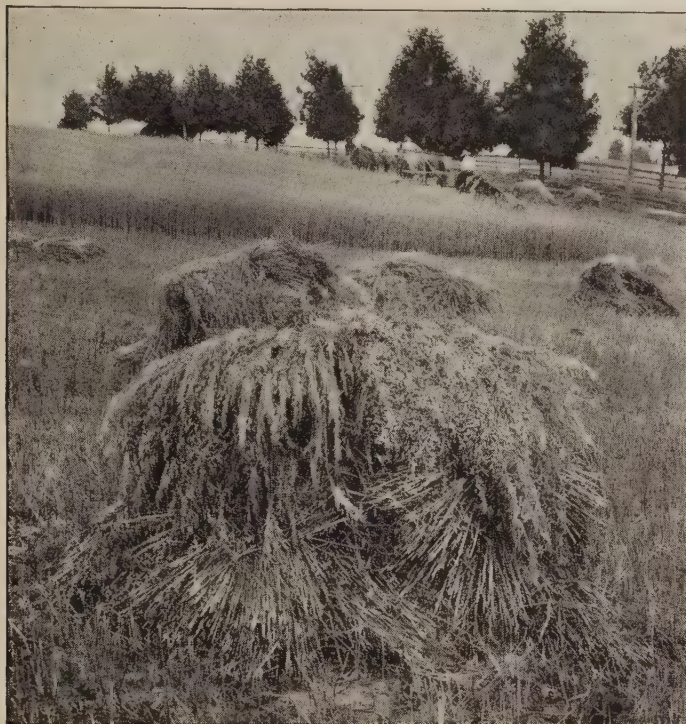


SEED PRESERVER FOR CORN insures your seeds. It prevents crows and other birds taking the seed; it protects against ground-rot and smut. It is non-poisonous and does not retard germination.

Large can, enough for 2 bus. seed corn. \$1 00
Small can, enough for 1 bus. 60



Longfellow Flint Corn



Field of Storm King Oats

VETCHES OR TARES

Excellent for milk-production and fattening live-stock, either green or as silage or hay. Recommended as plow-under crops for soil-improvement. Usually grown with oats, wheat, or rye to keep them off the ground.

Spring Vetch (*Vicia sativa*). Sow in spring, using 150 lbs. per acre, broadcast, or 100 lbs. in drills; or $\frac{1}{2}$ bus. of a cereal and 75 lbs. of Vetch. Lb. 25 cts., postpaid 35 cts.; 10 lbs. \$2, 100 lbs. \$15.

Winter or Hairy Vetch (*Vicia villosa*). For spring and autumn seeding, using 125 lbs. per acre, broadcast, or 100 lbs. in drills; or $\frac{1}{2}$ bus. of a cereal and 75 lbs. of Winter Vetch. Lb. 30 cts., postpaid 40 cts.; 10 lbs. \$2.50, 100 lbs. \$20.

CANADA FIELD PEAS. Three bushels per acre or $1\frac{1}{2}$ bus. Peas and $1\frac{1}{2}$ bus. Oats. Qt. 35 cts., postpaid 50 cts.; pk. \$1.75, bus. \$5.50, 10 bus. \$53.50.

SUNDRY FARM SEEDS

AMBER SUGAR-CANE. Sow 50 pounds per acre. Lb. 20 cts., postpaid 30 cts.; 10 lbs. \$1.50, 100 lbs. \$10.

SUDAN GRASS. Sow 30 pounds per acre. Lb. 20 cts., postpaid 30 cts.; 10 lbs. \$1.50, 100 lbs. \$10.

BROOM CORN. Sow 20 pounds per acre. Lb. 30 cts., postpaid 40 cts.; 10 lbs. \$2.50, 100 lbs. \$20.

KAFFIR CORN. For semi-arid regions. Sow 15 pounds per acre in rows; 50 pounds broadcast. Lb. 15 cts., postpaid 35 cts.; 10 lbs. \$1.10, 100 lbs. \$7.50.

MILO MAIZE. Used for soiling and fodder. Sow 15 pounds per acre. Lb. 20 cts., postpaid 30 cts.; 10 lbs. \$1.25, 100 lbs. \$8.

FLAX or LINSEED. Use 75 pounds per acre. Lb. 25 cts., postpaid 35 cts.; 10 lbs. \$1.75, 100 lbs. \$12.50.

COWPEAS

For improving soils by plowing under; also valuable as hay. Sow 2 bus. per acre.

New Era. Peas dull lead-colored. Early.

Whippoorwill. Brown-speckled seed.

Above sorts, qt. 25 cts., postpaid 40 cts.; pk. \$1.50, bus. \$5, 10 bus. \$48

SOY BEANS

Used for improving soils by plowing under; as a fodder crop they yield fifteen or more tons per acre. Sow 4 to 8 pecks to the acre.

Mammoth Yellow. For hay or plowing under.

Wilson. A black-seeded sort. Early.

Above sorts, qt. 25 cts., postpaid 40 cts.; pk. \$1.25, bus. \$3.75, 10 bus. \$35.

Cayuga. Suitable for production of beans in the North. Qt. 35 cts., postpaid 50 cts.; pk. \$1.65, bus. \$5, 10 bus. \$45.

SEED OATS

Superior varieties often weigh up to 40 pounds per measured bushel, but are sold at the standard weight of 32 pounds per bushel. For production of grain, use $2\frac{1}{2}$ bushels per acre; for forage, 3 bushels. Sown with Canada Peas, $1\frac{1}{2}$ bushels each of Oats and Peas per acre.

Storm King. Fine, hardy tartar side-oat. Heavy yielder. Stout straw. Pk. 85 cts., bus. (32 lbs.) \$2.50, 10 bus. \$24, 100 bus. \$225.

Lenroc. Highly recommended. Plump, nearly white berry. Good yielder. Qt. 20 cts., postpaid 30 cts.; pk. 70 cts., bus. (32 lbs.) \$2.25, 10 bus. \$21.50, 100 bus. \$200.

Welcome. Heavy, handsome, and productive. Swedish type. Pk. 75 cts., bus. (32 lbs.) \$2.25, 10 bus. \$21.50, 100 bus. \$200.

Cornellian. Gray kernels, high yielding and meaty. Pk. 70 cts., bus. (32 lbs.) \$2.25, 10 bus. \$21.50, 100 bus. \$200.

ALPHA BARLEY. High-yielding and satisfactory. The kernels are large, plump, and heavy. Splendid for the dairy farmer who uses one bushel each of Barley, Oats, and Field Peas per acre. When used alone, sow $1\frac{1}{2}$ to 2 bushels per acre. Qt. 20 cts., postpaid 35 cts.; pk. \$1, bus. \$3, 10 bus. \$27.50.

SPRING RYE. Valuable with Vetch as a plow-under crop for soil-improvement, using $\frac{1}{2}$ bus. with 75 lbs. of Vetch per acre. When grown alone, sow $1\frac{1}{2}$ bus. of Rye per acre. Qt. 25 cts., postpaid 40 cts.; pk. \$1.35, bus. \$4, 10 bus. \$37.50.

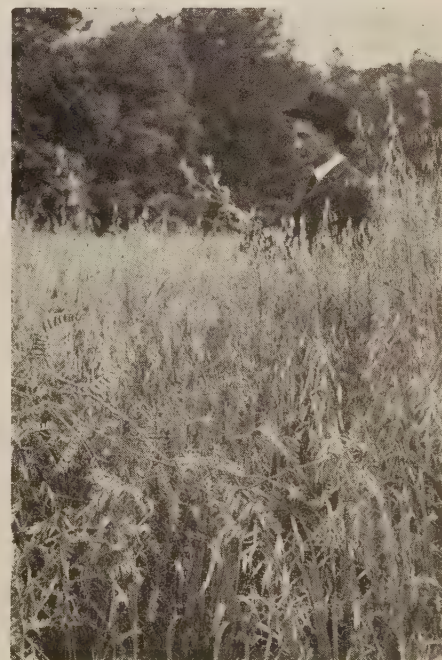
MARQUIS WHEAT. A heavy-cropping, hard, beardless variety. Sow in spring, $1\frac{1}{2}$ to 2 bus. per acre. Qt. 25 cts., postpaid 40 cts.; pk. \$1.35, bus. \$4, 10 bus. \$37.50.

WHEAT FOR COOKING. Lb. 15 cts., postpaid 25 cts.; 10 lbs. \$1, 100 lbs. \$8.

For all Legumes use LEGUME-AID. Nitrogen-fixing bacteria in jelly form. Large seed units (vetches, peas, beans, etc.), bus. 35 cts., 2 bus. 65 cts.. 5 bus. \$1.25. Clover units, $\frac{1}{2}$ bus. 30 cts., bus. 50 cts., $2\frac{1}{2}$ bus. \$1. Garden unit, 25 cts. Please state crop for which Culture is desired.

JAPANESE BUCKWHEAT. More prolific than other sorts, and the grains are nearly twice as large. Sow about the middle of June, broadcast, $1\frac{1}{2}$ bushels per acre. Qt. 20 cts., postpaid 35 cts.; pk. \$1, bus. \$3, 10 bus. \$27.50.

SUNFLOWER, Mammoth Russian. For poultry feed. Four pounds of seed will sow an acre. Lb. 25 cts., postpaid 35 cts.; 10 lbs. \$2, 100 lbs. \$15.



Vetch and Oats Sown Together

Grass for Hay or Permanent Pasture



The Sawco Grass and Clover Formulas

We have furnished these for over forty years, and they have long shown their suitability to conditions in the greater Metropolitan district, where they have proved highly satisfactory to our many customers. They are compounded from a wide range of varieties.

Sawco Formula No. 1. Grasses only of high quality for pasture and hay, consisting of nine permanent varieties, correctly proportioned. No Clover. Sow 45 pounds per acre. Lb. 45 cts., 10 lbs. \$4, 100 lbs. \$30.

Sawco Formula No. 2. Grasses and Clovers of high quality for pasture and hay. This mixture consists of twelve ingredients, giving good pasturage and heavy cuts of highly nutritious hay. Sow 40 pounds per acre. Lb. 50 cts., 10 lbs. \$4.50, 100 lbs. \$35.

Sawco Formula No. 3. Clovers only of high quality for rich pasturage. No grasses. Sow 15 pounds per acre. Lb. 60 cts., 10 lbs. \$5.50, 100 lbs. \$45.

Sawco Low-Cost Formula No. 4. For hay and pasture; consists of Timothy, Red-top and Clover only. Sow 30 pounds per acre. Lb. 40 cts., 10 lbs. \$3.25, 100 lbs. \$22.50.

When ordering any of these formulas, kindly state whether your soil is (a) loamy, (b) bottom-land, (c) shaded orchard or (d) poor, including hillside.

We deliver Grass Seeds to any point in the United States; purchaser pays transportation on Clovers beyond 50 miles

CLOVERS Seed of Maximum Purity and Highest Germination

In addition to their value as pasture and hay crops, they transform the nitrogen of the air into nitrates; thus they improve the soil. Prices are subject to change.

Medium Red. Summer crop is usually cut when in blossom for hay; second crop in late summer. Sown spring or fall, and if alone, at the rate of 20 pounds per acre. American Seed. Lb. 55 cts., 10 lbs. \$4.75, 100 lbs. \$40.

Mammoth Red. A larger type than the preceding. Sow, if alone, 15 pounds per acre. American Seed. Lb. 60 cts., 10 lbs. \$5.00, 100 lbs. \$42.50.

Alsike (Swedish Clover). Hardy and will do better on unfavorable land than other varieties. Usually sown in mixtures; if used alone, allow 10 pounds per acre. Lb. 55 cts., 10 lbs. \$4.75, 100 lbs. \$40.

White Clover. (Supply is limited due to war.) Used in mixtures for pastures or lawns. Lb. \$1.35, 10 lbs. \$12.50, 100 lbs. \$110.

Wild White Clover. More permanent and more spreading than plants originating from commercial seeds. Thrives on soils that are too poor to support other Clovers. Inclusion of 1 pound per acre in a seed mixture is recommended to increase the yield of hay or pasturage. ¼lb. \$1, lb. \$3, 10 lbs. \$27.50.

Ladino Clover. A giant white Clover, excellent for permanent pastures. Good either for shallow or heavy soils, but especially profitable on moist ones. Produces heavily over entire pasture season. Lb. \$1.20, 10 lbs. \$11, 100 lbs. \$100.

Alfalfa or Lucerne. Resists drought because of its deep roots. Use 25 pounds per acre drilled, or 35 pounds broadcast. Northern-grown, cold-resistant American Seed. Lb. 70 cts., 10 lbs. \$6, 100 lbs. \$50.

Grimm Alfalfa. Hardier, bigger, and more tolerant of unfavorable soils than the type. Use 20 pounds per acre drilled, or 25 pounds broadcast. Lb. 85 cts., 10 lbs. \$7.50, 100 lbs. \$65.

Crimson Clover. For early spring pasture or for hay. Use 20 pounds per acre from June to October. Lb. 35 cts., 10 lbs. \$3, 100 lbs. \$20.

Sweet Clover. Fair fodder when young, and excellent to turn under. Bee-plant. 6 ft. Sow 15 pounds per acre. Lb. 35 cts., 10 lbs. \$3, 100 lbs. \$20.

Yellow Sweet Clover. A yellow-flowered counterpart of the above. Lb. 35 cts., 10 lbs. \$3, 100 lbs. \$20.

Hubam. Annual white Sweet Clover. Will produce a bumper crop and attain maturity the first season. Lb. 40 cts., 10 lbs. \$3.50, 100 lbs. \$25.

Birdsfoot Trefoil (*Lotus corniculatus*). A drought-resistant perennial legume of dwarf stature. As a bottom plant is highly valuable in pastures and even for rough lawns, on slopes. Lb. \$1.75, 10 lbs. \$16.50.

Yellow Trefoil (*Medicago lupulina*). A yellow-flowered Clover, otherwise somewhat similar to alfalfa. Lb. 40 cts., 10 lbs. \$3.50, 100 lbs. \$25.

Lespedeza. For pasture, hay and lawns on poor land in warmer sections.

Korean. Lb. 35 cts.; 10 lbs. \$3, 100 lbs. \$20.

Kobe. Lb. 50 cts., 10 lbs. \$4, 100 lbs. \$30.

Sericea (Perennial). Lb. 60 cts., 10 lbs. \$5, 100 lbs. \$40.

Use **LEGUME-AID.** Nitrogen-fixing bacteria in jelly form. Large seed units (vetches, peas, beans, etc.), bus. 35 cts., 2 bus. 65 cts., 5 bus. \$1.25. Clover units, ½bus. 30 cts., bus. 50 cts., 2½ bus. \$1.25. Garden unit, 25 cts. Please state crop for which Culture is desired.

Cornell Pasture and Hay Mixtures

The following three mixtures of grass and clover seeds are compounded strictly in accordance with the most recent specifications of the Department of Agronomy, Cornell University. However, we use higher quality ingredients than specified.

Cornell Pasture Mixture No. 1. For good land, adequately fertilized. A companion grain crop is not advised. Sow 25 pounds per acre. Lb. 50 cts., 10 lbs. \$4.50, 100 lbs. \$37.50.

Cornell General-Purpose Mixture No. 2. For hay and pasture or pasture alone. For soil of fair quality, but will thrive under drier conditions than No. 1. May be used with a grain crop. Sow 20 pounds per acre. Lb. 50 cts., 10 lbs. \$4.50, 100 lbs. \$37.50.

Cornell Utility Mixture No. 3. For poorer soil than either Nos. 1 or 2. Minimum seeding per acre, 18 pounds. Lb. 50 cts., 10 lbs. \$4, 100 lbs. \$35.

Quantities are those recommended by Cornell University.

Where maximum speed is needed, and on weed-seed-infested land, these amounts may well be increased by 50 per cent.

Special Note. This is a suggestion of the Stumpp & Walter Co. and is not necessarily endorsed by Cornell.

New Grass Sub-Varieties

We offer the following improved modern strains:

Creeping Red Fescue, Old's Strain. Definitely creeping and especially valuable for lawns. The turf is superior to that of the standard Red Fescue. Lb. \$1.15, 10 lbs. \$10.50, 100 lbs. \$95.

Orchard Grass, Akaroa Strain. A New Zealand sub-variety. Produces heavier crops and stools less than the type. Recommended for the metropolitan area and south, but not a great distance north, because it is unlikely to stand exceptionally severe winters. Lb. \$1, 10 lbs. \$9, 100 lbs. \$80.

Ryegrass, Svalof. The true Swedish Victoria strain. A heavy-cropping, perennial, leafy sort, and exceptionally winter-hardy. Lb. 55 cts., 10 lbs. \$5, 100 lbs. \$40.

Timothy, Aberystwyth S 50. Good pasture variety and dwarf enough even for lawns. Creeping, the dense sod persists under close grazing. Height, when mature, 18 inches. Lb. \$1.75, 10 lbs. \$16.50, 100 lbs. \$150.

Timothy, Corstophine Pasture CB 191. Quite similar to the Aberystwyth S 50 strain, but appears to be a heavier seed producer. Lb. \$1.75, 10 lbs. \$16.50, 100 lbs. \$150.

Flowers of Tomorrow



ASTER
Rose Marie

AGERATUM
Blue Bedder

AQUILEGIA
Sawco Colossal

ANTIRRHINUM
Rosalie

Ageratum, Blue Bedder. Here is a midget Ageratum that is just the thing for edging a flower-bed. The delightful little plants are smothered with large, deep lavender-blue flowers. Height, 4 inches. Annual of the simplest culture. Pkt. 25 cts., 5 pkts. \$1, 1/8oz. \$2.

Aquilegia, Sawco Colossal. There are seventy color combinations in the mixture. The enormous flowers measure about 5 1/2 inches across and are exceptionally long-spurred, for they are over 4 inches long. Pkt. 50 cts., 3 pkts. \$1.25, 1/8oz. \$2.

Cleome, Pink Queen. The bush-like plants of this Spider Flower are excellent for the middle distance of a mixed border or to line a driveway. Light, airy flowers are a pleasing salmon-pink color changing to white as they mature. One of the easiest grown hardy annuals. Height, 3 to 4 ft. Pkt. 25 cts., 1/8oz. 60 cts., 1/4oz. \$1.

**ALL-AMERICA
SILVER MEDAL**

New Antirrhinum or Snapdragons (Rust-Resistant)

Mass plantings make an excellent show, and for cutting they are ideal.

MAXIMUM or Super-Giant. 3 ft.

COPPER QUEEN. The color is a novel bronze, blending to old-gold; so brilliant that it will remind you of a new penny. Pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

MAJUS or Tall. 2 1/2 ft.

REVEILLE. The color suggests the calm of the morning sun—a deep, luminous yellow with the upper lip of each floret toning to a lighter lemon-yellow. The individual florets are exceptionally big, and the spikes may measure 10 inches; over twenty may be borne by a single plant. Pkt. 35 cts., 3 pkts. \$1, 1/8oz. \$2.50.

ROSALIE. This wonderful Snapdragon is described on page 36, and an illustration of it in color appears on the front cover. Pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

Chrysanthemum, September Jewels. The earliest to bloom and readily grown from seed. Sown early, blooms will appear in September of the same year, daisy-like and 2 to 3 inches across. Colors include yellows, pinks, lilacs, bronzes, reds and others. Charming in the garden and ideal for cutting. Height, 1 1/2 ft. Raiser's original pkt. 60 cts.

NEW COSMOS

Yellow Klondyke. A fitting companion to Early Orange Flare. The butter-yellow of the flowers and their exceptionally long stems, make them highly valuable. Blooms are 1 1/4 inches across. Height, 3 ft. Pkt. 35 cts., 3 pkts. \$1, 1/4oz. \$1.50.

**ALL-AMERICA
SILVER MEDAL**

Orange Ruffles. Large, golden, semi-double blooms have extra rows of florets. Earlier than, and not quite so tall as the single Orange Flare. Height, 2 1/2 ft. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

Double Sensation. Surprisingly quick to bloom. The flowers are 4 1/2 inches across, appearing in about ten weeks. 4 ft.

PINK LADY. Two double forms occur in this: one fluted and medium pink; the other crested, somewhat lighter.

WHITE CLOUD. Beautiful, soft, velvety white.

Above 2 varieties, pkt. 50 cts., 3 pkts. \$1.25

PRINCESS ASTERS

Wonderful for cut-bloom

Handsome flowers have a bomb-shaped center, ringed with several tiers of ray-florets. Height 2 feet; wilt-resistant.

Princess Annie. Peach-blossom.

Princess Bonnie. Rose-salmon.

Princess Marsha. Cinnabar-scarlet.

Each, pkt. 25 cts., 1/4oz. \$1, oz. \$3.50

Aster, Rose Marie. Wilt-resistant variety, bright rich rose, shown on page 33. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

Calendula, Yellow Colossal. The largest Calendula in cultivation, with flowers 4 1/2 inches across, double and clear, very light, bright yellow. Blooms are borne in large numbers on compact, 18-inch-high plants. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Flowers of Tomorrow

NOVELTIES AND SPECIALTIES

Dahlias from Seed

Flower the same summer if sown early

GIANT EXHIBITION TYPE. This mixture is made up from named Dahlias of the better varieties. Beautiful and most interesting, for it is possible to secure new and rare varieties from this seed. 50 seeds \$2, 100 seeds \$3.50, 1000 seeds \$30.

MINIATURE TYPES. This mixture is comprised of meritorious varieties that are dwarf; the blooms are ideal for cut-flower purposes. Height, 1½ to 3 ft. Pkt. 50 cts., 3 pkts. \$1.25, ½oz. \$2, ¼oz. \$3.50.

Dimorphotheca, Double Hybrids Mixed. A new strain of African Daisy, producing about 65 per cent double flowers, with some semi-double and single ones. They vary in color from a deep salmon-orange to white, with many lemon and tan hues. The plant grows about 8 inches tall and is very bushy and spreading, while the individual flowers average 1¾ inches across, with a 1-inch crested center; they appear very early in the spring and continue until frost. Dimorphotheca delights in hot, summer weather. Pkt. 50 cts., 3 pkts. \$1.25.

Helianthus, Sun God. An improved strain of the Double Sunflower. Sow it anywhere, except in the shade, and on almost any kind of soil; you will be rewarded with splendid 5-foot plants, surmounted by perfectly double, golden flowers, cushion-like and 4 to 5 inches across. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Dwarf Ipomoea, Royal Ensign.

A low-growing Morning-Glory, ideal for carpeting in front of the annual border or for defining a flower-bed or path. It is covered all summer with Delft-blue, trumpet-shaped flowers, each with a white center. Pkt. 25 cts., 5 pkts. \$1, ½oz. \$2, oz. \$3.50.

We draw your attention to the remarkable new white IPOMOEA, PEARLY GATES, shown on the next page

New Giant Larkspurs

Double flowers are crowded on 2-foot sprays; ideal for the amateur gardener and for the commercial grower of cut bloom.

PINK KING. A soft, yet lively, salmon-rose. Height, 5½ ft. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

LILAC KING. Clear lilac, a rich shade that will be welcomed by every gardener. Height, 4 ft. Pkt. 25 cts., ¼oz. \$1, oz. \$3.50.



Cosmos, Yellow Klondyke. (See page 31)

New French Marigolds Butterball.

Flowers 1½ ins. across reminding one of scabious in appearance, but their color is canary-yellow, so bright that as a bedding or edging plant it seems to glow with its own light. Shown on page 34. Height, 9 in. Pkt. 25 cts., ½oz. 50 cts., ¼oz. 75 cts., oz. \$2.50.

ALL-AMERICA
BRONZE MEDAL

Melody. Of the scabious-flowering type, it is an excellent bedding and edging plant because of the earliness with which it starts to bloom. The golden yellow blooms are 1½ inches in diameter. 1 ft. Pkt. 25 cts., ¼oz. 60 cts., oz. \$2.

FERDINAND. Showy, single flowers, 1½ to 1¾ inches across, have a center of golden tubular florets, surrounded by mahogany-red guard florets. Height, 20 to 24 in. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

HARMONY HYBRIDS. The double flowers average 1¾ inches in diameter and colors include orange and yellow selfs and combinations of maroon blotchings and stripings. Height, 12 to 14 in. Pkt. 15 cts., ¼oz. 35 cts., oz. \$1.25.

SUNBEAM. Hundreds of ball-shaped blooms, 1½ inches in diameter and golden orange in color. The florets in the center are quilled, and the flattened rays have each a brown fleck at the base. Height, 15 in. Pkt. 15 cts., ¼oz. 35 cts., oz. \$1.25.

Improved African Marigolds Golden Bedder.

This dwarf chrysanthemum-flowered variety is the quickest Marigold to bloom. The flowers are golden orange; they have an outer row of guard florets surrounding a fully double crest. A good bedding sort, because the plants are so uniformly symmetrical. Height, 15 in. Pkt. 35 cts., 3 pkts. \$1, ½oz. \$1.50.

ALL-AMERICA
BRONZE MEDAL

Yellowstone. A new "mission giant" variety, the flowers being 3 inches in diameter, of the double, incurved and quilled chrysanthemum shape and highly attractive. Their color is clear golden yellow. In some sections Yellowstone may be found a little late to bloom, but once it does start it is covered with flowers until well into frost. Height, 3 to 4 ft. Pkt. 25 cts., ½oz. \$1, ¼oz. \$1.50.

ALL-AMERICA
HON. MENTION



Marigold, Melody

Nierembergia, Purple Robe.

ALL-AMERICA
BRONZE MEDAL

A perennial that may be treated as an annual, flowering the same season especially if it be started in a sunny window or in a greenhouse during March or April. Useful edging plant, forming a cushion or mat covered with deep violet-blue, petunia-like flowers, 1¼ inches in diameter. Height, 6 in. Pkt. 50 cts., 3 pkts. \$1.25.



Cleome, Pink Queen. (See page 31)



MORNING-GLORY, Scarlett O'Hara



MORNING-GLORY, Pearly Gates



MORNING-GLORY, Heavenly Blue

Red • White and Blue Morning Glories

RED • WHITE and BLUE MORNING-GLORIES (Ipomoeas)

To cover a trellis, climb a fence, or hide a stump

SCARLETT O'HARA.

Flowers $3\frac{1}{2}$ inches in diameter. They remain open well into the day.

Pkt. 20 cts., $\frac{1}{2}$ oz. 60 cts.
oz. \$1, $\frac{1}{4}$ lb. \$3.50.

PEARLY GATES. A

true giant, with 4-inch diameter blooms. Climbs 12 feet. Silver Medal, All-America Trials for 1942.

Pkt. 25 cts., $\frac{1}{2}$ oz. \$2,
oz. \$3.50.

HEAVENLY BLUE.

Flowers 4 inches in diameter. We offer an improved, early-flowering strain.

Pkt. 20 cts., $\frac{1}{2}$ oz. 60 cts.
oz. \$1, $\frac{1}{4}$ lb. \$3.50.

COLLECTION MG: 1 pkt. each above 3 Morning-Glories, 50c

NEW WILT-RESISTANT EARLY GIANT ASTERS

Plants grow 2 to 3 feet high, and the flowers are enormous—4 to 5 inches across. Wonderful cut-flowers for room decoration.

PEACH BLOSSOM. Lavender-pink.

LIGHT BLUE. Bright, light hue.

ROSE MARIE. Rose-color, bright and rich.

Above 3 varieties, pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50

COLLECTION C-1: One pkt. each above 3 Asters, 60c



Six Magnificent

• MARIGOLDS •

Unequaled for abundance of Beautiful Cut-Flowers, Brilliant Garden Effect, Ease of Culture

They usually bloom until the end of October; first frosts rarely stop them.

SPECIAL COLLECTION No. 228

One pkt. each of these
SIX FINE MARIGOLDS 85 cts.



LITTLE GIANTS, ORANGE. Height 1 ft.
Pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25



Marigolds are sown in the open ground in May and thinned or transplanted to stand 9 to 12 in. apart.

For early flowers, sow indoors in March or April, and transfer to the garden later.

GOLDEN GLOW. Height 2½ ft.
Pkt. 15 cts., 1/8oz. 50 cts., oz. \$1.50

Two of these won signal honors in recent All-America Trials: Butterball, Bronze Medal for 1942, and Scarlet Glow, Honorable Mention for 1941.



BUTTERBALL. Height 9 in.
Pkt. 25 cts., 1/8oz. 50 cts., 1/4oz. 75 cts., oz. \$2.50



SCARLET GLOW. Height 1 ft.
Pkt. 15 cts., 1/8oz. 50 cts., oz. \$1.50



GIGANTEA, ORANGE SUNSET. Height 3 ft.
Pkt. 15 cts., 1/8oz. 50 cts., 1/4oz. 75 cts., oz. \$2.50



SPRY. Height 1½ ft.
Pkt. 15 cts., 1/8oz. 50 cts., oz. \$1.50



PETUNIA
Cream Star

PETUNIA
Red Wonder

ICELAND POPPY
Belvedere Beauty

SALVIA FARINACEA
Royal Blue

ICELAND POPPY
Red Cardinal

PETUNIA
Violet-Blue

PHLOX
Salmon Glory

Pansy, Sawco Stupendous

Remarkable strain of gigantic proportions for the greenhouse, offered exclusively by us. The plants are veritable bushes, growing 4 feet high. Carried on thick, stiff stems, 18 inches long, are enormous flowers 4 to 4½ inches in diameter and in a complete color-range; included are both multicolor blooms and selfs, and among the latter are pure yellow. Invaluable to the professional gardener and the producing florist. Although primarily for cultivation under glass, they may also be grown in the open ground, in the same manner as ordinary Pansies, but you should give them the protection of cold-frames or salt hay over winter. Pkt. (50 seeds) \$2.50, 4 pkts. \$9.50.

Outstanding Petunias

Glamour. You will agree with the All-America judges that here is a novelty which is outstanding. The enormous flowers are single, frilled, and over 5 inches across. Their color is rosy salmon and the cream throat is strongly marked with brown veins. Begins to flower very early. Height, 20 in. Pkt. 50 cts., 3 pkts. \$1.25.

CREAM STAR. Ideal for the white garden. Freely borne throughout the summer are moderately large flowers of a soft cream-white, having an inner star-shaped mark of a darker cream. Height, 15 in. Pkt. 20 cts., ½ oz. \$1, ¼ oz. \$1.50.

VIOLET-BLUE. In the Nana compacta group. The flowers are rich violet within and bright blue without. Plants are sturdy, compact and covered with flowers all summer. Height, 9 to 12 in. Pkt. 35 cts., 3 pkts. \$1, ½ oz. \$1.50.

BALCONY PETUNIA, RED WONDER. This spreading plant is just the thing for window-boxes or baskets and is valuable for bedding. Flowers are nearly 4 inches in diameter and true, clear, bright red, slightly veined darker red, with a near-black center. Pkt. 35 cts., 3 pkts. \$1, ½ oz. \$1.50.

ALL-DOUBLE-BLUE BROCADE. Large (4-inch), double flowers of rich violet-blue whose color is fixed and true. They are pleasantly fragrant and about 4 inches across. The habit of the plant is stocky and dwarf. Height, 1 ft. Pkt. 75 cts., 3 pkts. \$2.

Washington Petunias

Ruffled and frilled blooms on little bushy plants only 9 inches high. They are just what you need for pot-work and low bedding.

GENERAL WASHINGTON. The 3-inch trumpets are a rich, velvety, amaranth-red with a glistening reddish black throat.

MARTHA WASHINGTON. Large trumpets are beautiful blush-pink; the center is veined wine-red, deepening to dark violet in the center of the flower.

Each, pkt. 35 cts., 3 pkts. \$1

Three New Phlox

Red Glory. New, giant-flowering or "Gigantea" type, excellent for bedding. Here are clusters of the brightest light crimson flowers you have ever seen, each with an arresting cream-white eye and 1¼ inches across. The color is striking and brilliant to a marked degree; it is a free and continuously blooming sort. Height, 1½ ft. Pkt. 50 cts., 3 pkts. \$1.25, ½ oz. \$2.50.

ROSY MORN. Each floret is as large as a fifty-cent piece and is brilliant rose in color, with a white center. Height, 1 ft. Pkt. 25 cts., ½ oz. \$1, ¼ oz. \$1.50.

SALMON GLORY. Large salmon-pink flowers, each with a cream-white eye. Height, 10 in. Pkt. 25 cts., ½ oz. \$1, ¼ oz. \$1.50.

Iceland Poppies (Perennial)

BELVEDERE BEAUTY. A mixture of new colors: cherry, flame, cardinal, carmine, crimson, pink, rose, apricot, and other hues. Exceptionally large blooms. Pkt. 35 cts., 3 pkts. \$1.

RED CARDINAL. A magnificent Poppy, in color the nearest yet to crimson-scarlet. Pkt. 25 cts., 5 pkts. \$1.

Primula Malacoides (Baby Primrose)

Giant California Strain

Strong, robust subjects for culture in pots in the greenhouse and conservatory. Handsome specimen plants and flowers that are exceptionally large and well formed.

LAVENDER GLORY. Soft lavender blooms 1¼ ins. across. Pkt. \$1.

SNOWFLAKE. Glistening white 1-inch-diameter blooms. Pkt. \$1.

CALIFORNIA, MIXED. Fine assortment of colors. Pkt. \$1.

DOUBLE FAIRY JEWELS. Double flowers, with a crested center, ¾ to 1 inch across; rich rose-pink, slightly lighter at the edges. One may expect over 90 per cent double-flowering plants. Pkt. \$1.50.

Rudbeckia, Starlight

**ALL-AMERICA
HON. MENTION**

Large free-blooming, semi-double hybrids of the annual Coneflower. The flowers vary somewhat, some being double, others single, some midway. Colors range from primrose to mahogany, and the new type will be found valuable for floral arrangement, the blooms being on long stems. Height, 3 ft. Pkt. 50 cts., 3 pkts. \$1.25, 6 pkts. \$2.

Salvia Farinacea, Royal Blue

Tall, bushy plants, topped with an abundance of intense blue flowers, make a very striking border in front of shrubs, evergreens, tall annuals or perennials. A perennial which may be treated like an annual. Height, 2½ to 3 ft. Pkt. 35 cts., 3 pkts. \$1.

Flowers of Tomorrow NOVELTIES AND SPECIALTIES

Spring-Flowering Sweet Peas

These fine new varieties come into flower more quickly than the Summer-flowering Sweet Peas, but take several weeks longer than the early-flowering or greenhouse types. They may be grown either outdoors or under glass with equal ease. They stand heat better; the flower-stems are long and the blooms are large and fluted.

The first colors to be developed were rose-pink, blue and lavender; they were All-America winners when introduced two years ago. The following new and equally meritorious colors have been added since.

BLACK-SEEDED CREAM. Beautiful, large, pure, deep cream blooms on long stems. Vigorous plant, staying in bearing well.

BLACK-SEEDED WHITE. The large blooms on long, strong stems are pure white. Ideal commercial sort for growing under glass, as well as for professional and amateur culture indoors.

DEEP MAROON. The large flowers are a dark, smoky chocolate with a silken overcast, producing an effect that is most striking. A long-bearing, vigorous plant. The blooms usually appear in fours on long stems.

LIGHT BLUE. The flowers appear mostly in fours on very long stems and are a clear, silvery light blue. Husky plant.

LIGHT CARMINE. Long stems carry four fair-sized handsome blooms. On a base of cream there is an overtone of carmine and rose-pink, producing a wonderful effect under electric or candlelight.

LIGHT CREAM-PINK. Particularly strong-growing plants, bearing an abundance of huge flowers on long stems. On a cream or yellow undercoat is spread a delicate apple-blossom-pink.

NAVY BLUE. Here is the actual naval shade of deep, true blue in large, wide-open flowers; they are set on stems that will surprise you because they are so long.

PURPLE. A regal shade of purple, glossy, glowing rich and clear. Four-bloom sprays on long stems are the usual thing. Husky plant.

Any of the above, pkt. 25 cts., 1/2oz. \$1.25, oz. \$2

COLLECTION NO. 36SP: One pkt. each of the above 8 colors, \$1.50.

Rose-Pink
Clear Pink

Blue
White (white seed)

Lavender
Mauve

Above 6, pkt. 15 cts., 1/2oz. 40 cts., oz. 75 cts.

Early-Flowering Sweet Peas

Essentially florists' flowers, these are normally grown under glass and are of special interest to the professional gardener. Here are three outstanding new varieties.

EARLY DAWN. An ideal Sweet Pea for home decoration because it glows under electric light; good in the daytime also. The color is pure, deep chamois-pink on a base of cream. Long, tough stems, the beautiful large flowers usually appearing in fours.

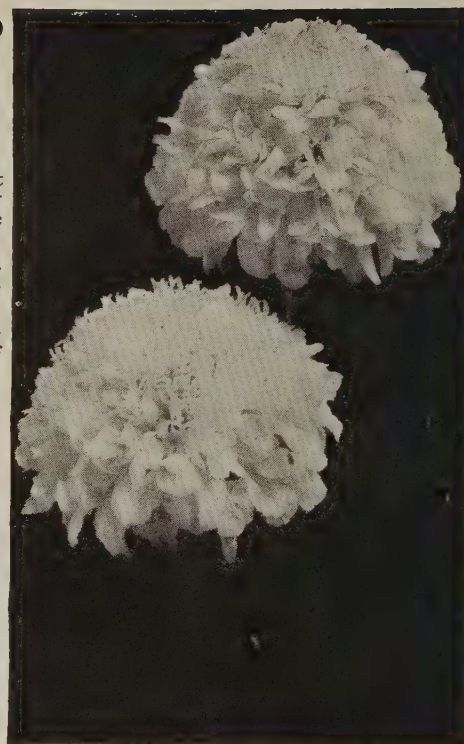
EARLY GERANIUM. On a clear cerise is an overlay of salmon. The flowers are often duplex, always large, and on very long stems. An ideal Sweet Pea for the florist.

EARLY MAGIC. A free-flowering and robust sort. The blooms are duplexed, large, usually come four to a stem, and are "Chinese violet" in color—this may be described as between mauve and rosy lavender.

Above 3, pkt. 35 cts., 1/2oz. \$1.25, oz. \$2



Spring-flowering Sweet Peas



Scabiosa, Peace

Scabiosa, Peace. Fully double, white; ideal for cutting and displaying with a blue or near black sort. Beehive-shaped flowers are 1 1/4 inches across. Hon. Mention. All-America Seed Selections for 1941. Pkt. 15 cts., 1/8oz. 40 cts., 1/4oz. 75 cts.

Scabiosa, Midnight. Dark maroon—almost black. Other than in color this fine new variety is identical with the above. Pkt. 25 cts., 1/8oz. 60 cts., 1/4oz. \$1.

Star of Texas (Xanthisma texanum). Sow in the open in spring, thin or transplant to 1 foot apart. Grows 1 1/2 feet high and produces showy yellow daisy flowers 2 inches across with narrow florets. Pkt. 35 cts., 3 pkts. \$1, 1/8oz. \$1.50.

THE SEVEN JEWELS MODERN ANNUALS THAT ARE ILLUSTRATED ON THE FRONT COVER OF THIS BOOK

ALYSSUM, VIOLET QUEEN. (5) A new color in this popular edging and bedding annual. Dwarf, compact and free flowering. The clusters of small blossoms are fragrant and a rich, deep violet hue. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

ANTIRRHINUM, ROSALIE. (1) The large florets are topaz-rose with darker center and a golden flush over all. They are evenly and tightly placed on the large main flower-spike and the 10 to 30 spikes which branch from the base. Height, 2 1/2 ft. Pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

ASTER, HEART OF FRANCE. (2) The plants grow about 2 feet high and bear their long, rich, deep ruby-red flowers on long, strong stems. Pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

MARIGOLD, LIMELIGHT. (6) Of the Chrysanthemum-flowered type, but the effect is novel in that the color is primrose or deep cream. Strong to grow and quick to flower. Height, 20 in. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

PETUNIA, RADIANCE. (7) Flowers are from 2 1/2 to 3 inches in diameter and a brilliant and lively rich rose or cerise, with a salmon undertone and brown honey-guides or veins in the golden throat. Plants are literally covered with these radiant blooms until frost. Awarded Silver Medal in the All-America trials for 1941. Pkt. 35 cts., 3 pkts. \$1, 1/8oz. \$1.50, 1/4oz. \$2.50.

SCABIOSA, BLUE MOON. (3) The large, double flowers are cone-shaped, 2 3/4 inches in diameter, and are a rich deep lavender-blue color. Invaluable for the home-garden and as a florists' cut-flower. Large columnar plants; height, 3 1/2 ft. Pkt. 20 cts., 1/4oz. 60 cts., oz. \$2.

LILLIPUT ZINNIA, PASTEL SHADES. (4) Little ball-shaped blooms, ideal for cut-flowers and for bedding. In the mixture are such entrancing colors as apricot, peach, cream, shell-pink, salmon, rose and orchid. Height, 1 ft. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

COLLECTION C42: 7 pkts., one each of the above, \$1.



STOCK
Mojave

STOCK
Fiery Red

FANTASY ZINNIAS
Wildfire (top)
Stardust (bottom)

TRIPTERIS
Dwarf

ZINNIA
Campfire

STAR OF TEXAS
See page 36

VERBENA
Flamingo

New Stocks

Annuals. Height about 3 feet: double blooms, 2 to 2½ inches across

Two Non-Branching Types. The plants produce one flower stem about 3 feet tall, the upper 15 to 20 inches of which consist of a spike of closely packed blooms.

GARDENIA. Waxy white.

YELLOW WONDER. Cream-yellow.

Each, pkt. 75 cts., 3 pkts. \$2

MOJAVE. A new Giant of California variety which is excellent for greenhouse cultivation because of its very long flower-spikes; may be grown outdoors also, and is wonderful for cut-bloom. Over 70 per cent of the deep velvety purple flowers are double.

FIERY RED. Of the Super-Giant Imperial type, this has been especially developed for cut-flower purposes. Each plant produces a dozen or more spikes, with double, flame-color flowers.

Above 2 sorts, pkt. 35 cts., ¼oz. \$1.25, ¼oz. \$2

Tripteris, Dwarf. Spreading mats of foliage 2½ feet in diameter and a foot high, bear 2-inch golden, brown-eyed, orange daisies. They are on long stems and thus are suitable for cut-flower purposes; they will make an unusual flower-bed. Pkt. 25 cts., ¼oz. 75 cts., oz. \$2.50.

Four Brilliant Verbenas

ANNAPOLIS BLUE. The flowers are a beautiful mixture of shades of mid-blue, with no tendency to a purple cast. The plant is of spreading habit and the 3-inch clusters of flowers stand erect on foot-high stems. Their color varies in the florets of each cluster, giving a very pleasing effect, but the variation is within the limits of mid-blue—no light and no very dark hues. Pkt. 35 cts., 3 pkts. \$1, ¼oz. \$1.50, ¼oz. \$2.50.

FLAMINGO. Erect in growth, each plant has up to a dozen stems and each stem will bear as many as four enormous clusters of large, vermilion-pink florets. Height, 1½ ft. Pkt. 25 cts., ¼oz. \$1, ¼oz. \$1.50.

ROSEGLOW. Of the Hybrida class. The color is deep rose, with an orange-scarlet overtone, and the individual florets lack the usual prominent eye. A remarkably vivid self-color. A bed planted with them gives the impression of a cascade of molten fire. Pkt. 25c., ¼oz. \$1, oz. \$3.50.

RED SENTINEL. A dwarf, compact, non-spreading type, the erect plants holding their shape all season. The color of the flowers is an intense, bright spectrum-red, with no eye. Pkt. 25 cts., ¼oz. \$1, ¼oz. \$1.50.

Modern Zinnias

Royal Purple.

**ALL-AMERICA
HON. MENTION**

Large blooms of the giant Dahlia-flowered class will exceed 4 inches across, on plants that have a very uniform habit, making the variety ideal for bedding purposes. The color is a deep, rich, regal shade of purple. Pkt. 25 cts., ¼oz. 75 cts., oz. \$2.50.

HOWARD CRESTED. A mixture. The flowers are 4 to 5 inches across, with a rounded cushion-like center, surrounded by broad, flat guard florets, and will remind you of mammoth scabiosas or pyrethrums. In the blend are charming fresh colors—crimson, red, pink, yellow, scarlet, gold and other hues. Excellent for flower-beds or annual borders and a useful new cut-flower. Height, 3 ft. Pkt. 25 cts., ¼oz. \$1.25, ¼oz. \$2.

CAMPFIRE. The blooms are of moderate size, making them suitable for room decoration. They are shaped like the scabious and are a rich, dazzling scarlet. Effective bedding plants also, especially when edged with dwarfier flowers. Height, 2 to 2½ ft. Pkt. 25 cts., ¼oz. 75 cts., oz. \$2.50.

BLACK RUBY. A lilliput or pompon variety, with 1¼-inch blooms, on long stems; their color is a deep, velvety maroon. In a two-color or three-color planting or room-decorating scheme, this will prove ideal as the dark-hued factor. For flower-beds or cut-bloom it is equally indispensable. Height, 15 to 18 in. Pkt. 25 cts., ¼oz. 75 cts., ¼oz. \$1.25.

Five Fantasy Zinnias

On 33-inch-high plants, lovely 3-inch blooms are developed in seven weeks from seed. The florets are shaggy, waved and frilled, making them lovely for cut-bloom and for annual flower-beds.

WILDFIRE. Intense scarlet. Pkt. 25 cts., ¼oz. 75 cts., oz. \$2.50.

WHITE LIGHT. Nearly pure white.

ORANGE LADY. A gay shade of bright orange.

ROSALIE. Bright, intense rose.

STARDUST. The waved and frilled flowers are a rich, deep gold.

Above 4, pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50

COLLECTION No. 18: Pkt. each above 5 colors, 60 cts.

FANTASY, MIXED COLORS. Pkt. 10 cts., ¼oz. 35 cts., oz. \$1.25.

AN ALL-AMERICA COMMITTEE of horticulturists grows trial rows of new plants every season. Novelties, which prove to have great merit, are given awards, the most outstanding ones receiving Silver Medals. Others, which are also new and meritorious, are awarded Bronze Medals and Honorable Mention. Sorts thus authenticated are indicated on these pages.



Ageratum



Aconitum



Sweet Alyssum

General List of Flower Seeds

We mail Flower Seeds post-free to any point in the United States

ABRONIA umbellata (Sand Verbena). Annual. Rosy pink; 9 in. Trailing plant, with flowers in clusters. Especially fragrant at night. Pkt. 10 cts., ¼oz. 50 cts.

ABUTILON (Flowering Maple), **Finest Mixed**. Greenhouse Plant. Cool house shrub, window plant and for summer bedding. Perpetual blooming. Bell-shaped flowers. 3 ft. Pkt. 50 cts., 3 pkts. \$1.25.

ACACIA lophantha. Greenhouse Shrub. Yellow; 6 ft. Related to mimosa. Narrow foliage and tassel-like flowers. Pkt. 15 cts., ¼oz. 30 cts., oz. \$1.

Baileyana. Yellow flowers. Pkt. 50 cts., 3 pkts. \$1.25.

ACANTHUS latifolius (Bear's Breech). Hardy Perennial. Rose-colored flowers in 1½-ft. spikes. Aug., Sept. 3 ft. Pkt. 15 cts., oz. 75 cts.

ACHILLEA (Yarrow). Perennial. **Ptarmica, The Pearl**. White; 2½ ft. Small, double flowers. Pkt. 25 cts., ⅛oz. \$1, ¼oz. \$1.50.

Ageratifolia. White; 10 in. Rockery plant. Blooms from March to May. Pkt. 50 cts.

Filipendula. Yellow; 3 ft. Pkt. 15 cts., ¼oz. 75 cts., ½oz. \$1.25.

Millefolium roseum. Pink; 1½ ft. Pkt. 15 cts., ⅛oz. 40 cts., ¼oz. 75 cts.

ACONITUM (Monkshood). Perennial. **Wilsoni**. Mid-blue; 6 ft. The handsomest of the Monkshoods. Long spikes of helmet-shaped flowers from summer until November. Pkt. 25 cts., ⅛oz. \$1.

Napellus. Dark blue; 3 ft. Pkt. 25 cts., ¼oz. 75 cts., ½oz. \$1.25.

Fischeri. Dwarf. Deep blue; 1½ ft. Pkt. 25 cts., ¼oz. \$1.50.

Finest Mixed. All colors. Pkt. 25 cts., ⅛oz. 75 cts., ¼oz. \$1.25.

ACROCLINIUM (Everlasting). Annual. Various colored, chaffy, daisy-like flowers, useful for dried bouquets for winter. 20 in. **Large Double Hybrids, Mixed Colors**. Pkt. 20 cts., ¼oz. 75 cts., oz. \$2.

ADLUMIA cirrhosa (Mountain Fringe; Allegheny Vine). Biennial Climber. For trellises, etc. Fern-like foliage. Flowers tube-shaped, white or purplish. Sown early, will bloom same year. Pkt. 25 cts., ⅛oz. 75 cts., ¼oz. \$1.25.

ADONIS aleppica (Pheasant's Eye). Annual. Buttercup-shaped blood-red flowers. 1½ ft. Pkt. 25 cts., ¼oz. \$1.50.

Vernalis (Spring Adonis). Yellow; 1 ft. 3-inch flowers. Pkt. 25 cts., ¼oz. \$1.50.

ÆTHIONEMA persicum (Stone Cress). Perennial. Pink, candytuft-like flowers, in June and July. 9 in. Pkt. 35 cts., 3 pkts. \$1.

AGAPANTHUS (Lily-of-the-Nile). Conservatory Perennial. Lily-like leaves, surmounted by a large cluster of blue flowers. Pkt. 25 cts., ⅛oz. 60 cts., ¼oz. \$1.

AGATHÆA coelestis (Blue Daisy). Greenhouse Plant. Tender perennial, with beautiful blue flowers. Height, 3 ft. Pkt. 15 cts., 2 pkts. 25 cts., ¼oz. 75 cts.

AGAVE (Century Plant). Greenhouse Perennial. Long, thick leaves. Flower-stem appears at tenth or later year; may reach a height of 40 feet. Pkt. 50 cts., 3 pkts. \$1.25.

AJUGA reptans (Bugle). Creeping Rock-Garden Perennial. Small pink-purple flowers. Pkt. 35 cts., 3 pkts. \$1.

AGERATUM • Floss Flower

Annual, with tassel-like clustered flowers. One of the best edging and bedding plants. Easily raised from seed, started early indoors and transferred to the open ground in May. Can also be sown outdoors in May.

Midget Blue. Miniature sort, excellent for edging, and a mass of azure-blue flowers. Very good and true to type. 4 in. Pkt. 50 cts., 3 pkts. \$1.25, ¼oz. \$2, ½oz. \$3.50.

Fairy Pink. A mass of bloom, starting even when but half grown. Delightful soft salmon-rose color. 5 in. Pkt. 50 cts., 3 pkts. \$1.25, ¼oz. \$2.50.

Improved Blue Ball. Dwarf, compact, very uniform plants. Large rich blue flowers produced continuously. 4 in. Pkt. 25 cts., ⅛oz. \$1, ¼oz. \$1.50.

Blue Perfection. Deep blue flowers. May be used for cutting. 6 in. Pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50.

Little Dorrit, Blue. Bright blue; 6 in. Pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50.

Little Dorrit, White. Pure white; 6 in. Pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50.

Little Silver Star. Silver-gray; 4 in. Pkt. 20 cts., ¼oz. 60 cts., ½oz. \$1.

Blue Bedder. See page 31. Pkt. 25 cts., 5 pkts. \$1, ¼oz. \$2.

AGROSTEMMA coronaria (Rose Campan; Mullein-Pink; Dusty Miller). Perennial. White, woolly leaves and stems, with terminal five-petal flowers, 1 inch in diameter. 2½ ft. June to Sept.

Alba. White. Red. **Flos-Jovis**. Smaller, ½-in. carmine-rose flowers in dense terminal clusters. 16 in. Each, pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50

ALONSOA Warscewiczii. Greenhouse Annual. Bushy 3-ft. plants with bright scarlet flowers. Dark green foliage. Pkt. 10 cts., ¼oz. 25 cts., oz. 75 cts.

ALSTROEMERIA chilensis. Tender Tuberos Perennial. Lily-like flowers. Sow seeds under glass, plant out and store roots indoors over winter. Pkt. 50 cts., 3 pkts. \$1.25.

SWEET ALYSSUM • Madwort

Popular annuals, ideal for edging a flowerbed or planting alongside a walk. Sow in the open in spring where they are to flower, and thin or transplant to 6 inches apart. Or start them indoors and transfer to the garden later.

White Carpet (*A. compactum*). Annual. White; 3 in. Flowers are produced profusely. Pkt. 10 cts., ¼oz. 30 cts., oz. \$1.

Annual Yellow (*A. lutescens*). Annual. Pale yellow, fading to white. 6 in. Pkt. 10 cts., ¼oz. 30 cts., oz. \$1, ¼lb. \$3.50.

Little Gem (*A. maritimum*). Hardy Annual. White; 6 in. Each plant covers a circle of 12 to 20 inches. Pkt. 10 cts., ¼oz. 25 cts., oz. 75 cts., ¼lb. \$2.50.

Sweet Alyssum (*A. Benthami*). Hardy Annual. White; 9 in. Well-known fragrant variety. Pkt. 10 cts., ¼oz. 15 cts., oz. 50 cts., ¼lb. \$1.50.

Violet Queen. See illustration on front cover. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Saxatile compactum (Golden Rain). Perennial. Yellow; 15 in. Rock or border plant; bright yellow flowers from April to June. Pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50.

Saxatile, Silver Queen. Perennial. Lemon; 15 in. Early-blooming; will be appreciated for its masses of the palest lemon flowers. Pkt. 25 cts., ⅛oz. 75 cts., ¼oz. \$1.25.

Perennial Rock Species, Mixed. Includes such varieties as Montanum, Rostratum, Corymbosum, Gemonense, etc. Pkt. 25 cts., ⅛oz. 75 cts., ¼oz. \$1.25.

WE OFFER A COLLECTION of twelve packets of seed of **HARDY PERENNIALS** that are specially suitable for cutting and for decoration of the home. Price \$1.50.

Rust-Resistant Outdoor Antirrhinums • Snapdragons

Annuals of simple culture with hooded florets on long spikes. Excellent border and bedding plants.

Maximum Type *Height 3 feet*

- Alaska.** Pure white.
 - ***Apple Blossom.** Light pink.
 - Campfire.** Luminous scarlet.
 - ***Canary Bird.** Canary-yellow, deeper lip.
 - Christmas Candle.** Bright flame-red.
 - Copper King.** Burnished copper; gold lip.
 - ***Copper Queen.** See page 31.
 - ***Crimson.** Deep crimson.
 - Indian Summer.** Orange-copper-scarlet.
 - ***Loveliness.** Soft rose-pink.
 - Red Cross.** White tube with crimson face.
 - Swingtime.** Large pink florets, each tipped bright yellow, and with a white throat.
 - Yellow Giant.** Closely placed flowers on large trusses; color, the deepest yellow so far.
- Each, pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25
COLLECTION: 5 varieties marked (*), \$1
Maximum, Mixed. Pkt. 15 cts., $\frac{1}{8}$ oz. 50 cts., $\frac{1}{4}$ oz. 75 cts.

Majus Type *Height 2½ feet*

- ***Buttercup.** Canary-yellow.
 - ***Daintiness.** Deep pink.
 - Harmony Shades.** Terra-cotta and rose.
 - Opal Queen.** Combined pink, salmon and apricot; pale yellow tips.
 - Padre.** Crimson, deep, rich and glistening.
 - ***Pink Shades.** Pleasing shades of pink.
 - ***Scarlet (Defiance).** Scarlet-red.
 - ***Shasta.** Pure white.
 - Torchlight.** Garnet, suffused orange.
 - Yellow Jacket.** Deepest yellow.
- Each, pkt. 15 cts., $\frac{1}{8}$ oz. 50 cts., $\frac{1}{4}$ oz. 75 cts.
COLLECTION: 5 varieties marked (*), 60 cts.
Majus, Mixed. Pkt. 10 cts., $\frac{1}{8}$ oz. 35 cts., $\frac{1}{4}$ oz. 60 cts.
Goldenrod. The brilliant golden florets are fluted and crumpled. Height, 26 inches. Pkt. 15 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.
Reveille. See page 31. Pkt. 35 cts., 3 pkts. \$1, $\frac{1}{8}$ oz. \$2.50.
Rosalie. See illustration on front cover. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

Midget Antirrhinum

Height 6 in. (Not Rustproof)

- Rock Hybrids.** Valuable for edgings and the rock-garden; wonderful mixture. Early, continuous. Pkt. 15 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.
- Magic Carpet.** An attractive matting plant for the rock-garden. Flowers are a mixture of pastel hues. Perennial, usually treated as an annual. Pkt. 35 cts., 3 pkts. \$1.

Nanum Grandiflorum Type

Height 1½ feet

Following described on page 31.

- Amber and Gold** **Du Barry** **Ruby**
- Each, pkt. 25 cts., $\frac{1}{8}$ oz. \$1.25, $\frac{1}{4}$ oz. \$2
- Apple Blossom** **Gypsy Girl**
- Each, pkt. 15 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1
- Red Rock.** The color is a blend of crimson, scarlet, orange, and violet.
- ***Carmine-Rose.** Carmine-rose; yellow lip.
- ***Glowing Sunset.** Lower half of blossoms velvety scarlet; upper half has a rose tinge.
- ***Indian Girl.** Brownish shiny orange, overlaid with yellow.

***Red Boy.** A brilliant flaming color.

***Wildfire.** Orange-scarlet; yellow lip.

***Yellow Gem.** Clear yellow.

Antique Gold. Shades of old-gold, copper, terra-cotta, fawn, and orange.

Bumble Bee. Crimson with a white tube and a large yellow snout.

Each, pkt. 15 cts., $\frac{1}{8}$ oz. 50 cts., $\frac{1}{4}$ oz. 75 cts.

COLLECTION: 6 varieties marked (*), 75 cts.

Nanum grandiflorum, Mixed. Pkt. 10 cts., $\frac{1}{8}$ oz. 35 cts., $\frac{1}{4}$ oz. 60 cts.

California University, Mixed. All-America Winner, 1935. Fine color-range. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.

Antirrhinums for the Greenhouse

Of Special Interest to the Professional Gardeners and Producing Florists

To obtain a succession of bloom, monthly sowings are usually made, starting in July.

- Afterglow.** Bronze. Pkt. \$1.
- Bertha Baur.** Lavender. Pkt. \$1.
- Bezdek's Yellow Wonder.** One of the best yellows. Pkt. \$2.
- Ceylon Court.** Yellow. Pkt. 50 cts.
- Cheviot Maid Supreme.** Dark rose-pink. Pkt. 75 cts.
- Cheviot Maid, Yellow.** Long-stemmed; pure medium yellow. Pkt. \$1.
- Christmas Cheer.** Fine rose; midwinter. Heavy yielder. Pkt. \$2.
- Cincinnati.** Rose-pink. Pkt. \$2.
- Coates' Yellow Perfection.** Splendid deep yellow. Pkt. \$1.
- Ethel.** Finest early golden yellow. Pkt. \$1.50.
- Glorious.** Bright scarlet-bronze. Early. Pkt. \$2.
- Happiness.** Pink. Pkt. 75 cts.
- Helen.** Salmon-pink. Pkt. 75 cts.
- Hodaly's Ideal.** Sensational prize-winner. Carmine, shading to orange and lavender, tipped yellow; white throat. Pkt. \$2.
- Jennie Schneider.** Rose-pink. Pkt. 50 cts.
- Klondyke Supreme.** Very deep yellow. Early. Pkt. \$1.50.
- Laura.** Dark rose. Pkt. \$1.
- Lemon Beauty.** Fine, large, late sort with well-formed yellow spikes. 5 ft. Pkt. \$1.50.
- Lucky Strike.** White. Pkt. \$1.
- Marie Louise.** Splendid shell-pink. Robust plants. Pkt. \$2.

Naomi. About 30 inches high; early, continuous bloomer. Clear rose-pink with a touch of yellow; 2-inch florets are evenly spaced on strong stems. Pkt. \$2.

Radiance. Large; deep rose-pink. Pkt. \$1.

Rose Queen. Pink. Pkt. \$1.

Rumsonhill. Brilliant rose. Vigorous sort, quick to bloom. 2½ ft. Pkt. \$1.

Schafforth's Early Pink. Bright color. Pkt. \$2.

St. Louis Early Pink. One of the best. Pkt. \$2.

Sun Tan. Tan-yellow. Pkt. 75 cts.

Talisman. Florets are semi-double and double, and their color is a combination of rose and golden bronze. Early. Pkt. \$2.

Terry's Surprise Improved. Rose, shaded bronze. Pkt. \$2.

Velvet Beauty. Fine rose-red. Pkt. \$1.

Westover's Fringed White. Fine pure white. Pkt. \$1.

White Rock. Pkt. 50 cts.

White Wonder. The finest pure white, with large, close spikes. 5 ft. Pkt. \$1.50.

Winter Helen. Salmon. Pkt. \$1.

THREE PACKETS OF A KIND

Three 50-ct. packets of any of above, \$1.25; three 75-ct. pkts., \$2; three \$1 pkts., \$2.50; three \$1.50 pkts., \$4; three \$2 pkts., \$5.

- AMARANTHUS.** Annual. Brilliant-foliaged plants, some bearing curious flowers.
- Caudatus** (Love-Lies-Bleeding). Blood-red; 4 ft. Drooping. Pkt. 10 cts.
- Cruentus** (Prince's Feather). Dark red; 4 ft. Feathery flowers. Pkt. 10 cts.
- Sunrise.** Scarlet; 4 ft. Foliage bronzy crimson, each branch ending in a scarlet tuft. Pkt. 15 cts., 2 pkts. 25 cts., $\frac{1}{4}$ oz. \$1.
- Molten Fire.** Scarlet; 4 ft. Bronze foliage tipped with a head of fiery scarlet. Pkt. 15 cts., 2 pkts. 25 cts., $\frac{1}{4}$ oz. \$1.
- Tricolor** (Joseph's Coat). 2½ ft. Leaves red, yellow, and green. Pkt. 10 cts.

- ANAGALLIS** (Pimpernel). Annual. Splendid edging plant because its flowering period is long. It opens its flowers widest when fine weather is due and closes them tight as a storm warning.

Bluebird. Beautiful lobelia-blue; 10 in.

Terra-Cotta. Brilliant red hue; 10 in.

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

- ANODA hastata.** Hardy Perennial. Giant Mallow having glaucous, almost evergreen foliage and pink trumpet flowers. 5 ft. Pkt. 50 cts., 3 pkts. \$1.25.

- ANCHUSA** (Alkanet). Striking hairy-leaved plants with funnel-shaped, large, myosotis-like flowers.

- Capensis.** Biennial. Azure; 1½ ft. July, Aug. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

- Italica, Dropmore Variety.** Perennial. Gentian-blue flowers from July to September. Improved strain. 5 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

- Myosotidiflora.** Perennial. Mass of blue flowers. 1½ ft. Pkt. 50 cts., 3 pkts. \$1.25.

- Opal.** Perennial. Beautiful plant, similar to Dropmore, but pale blue. 5 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

- Annual Blue Bird.** Dwarf, compact type, with vivid indigo-blue blossoms. Flowers two months after sowing. 1½ ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

- ANEMONE** (Windflower). Hardy Perennials. These need winter protection outdoors; largely used for growing under glass.

- Chrysantha, Mixed.** Flowers are double, in a complete range of colors. 1 ft. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

- Giant de Caen, Mixed.** Giant French Anemone. 1 ft. Pkt. 15 cts., $\frac{1}{8}$ oz. 75 cts.

- Blue Poppy.** A fine, all-blue sort. 1 ft. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts.

- His Excellency.** An all-scarlet-red variety. 1 ft. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts.

- St. Brigid, Creagh Castle Strain, Mixed.** Great variety of colors. 1 ft. Pkt. 50 cts., 3 pkts. \$1.25.

- ANTHEMIS.** Perennial. Scented foliage.
- Kelwayi** (Marguerite). Large, yellow daisy flowers. 2 ft. July-Sept.

- Tinctoria.** Fine-cut foliage with 2-inch yellow flowers. 3 ft. June-Oct.

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50

Tinctoria, New Hybrids. Pkt. 25 cts.



Aquilegia clematiflora



Arctotis grandis



Aster, Enchantress

AQUILEGIA • Columbine

Perennial. Graceful spurred flowers, often two-colored, on long stems in spring.

GIANT LONG-SPURRED. The plants are perfectly hardy and bear long-spurred, large flowers. Height 2½ feet.

Copper Queen. Copper and straw colors.

Blue Shades. All blues from light to dark.

Pink Shades. From light to darkest rose.

Scarlet Shades. Light and dark scarlet.

Mixed Shades. Including all above colors.

Each, pkt. 25 cts., ½oz. \$1, ¼oz. \$1.50, oz. \$5

Clematiflora. New type; flowers shaped like a clematis. Mixed colors, mostly pink and blue. 1½ ft. Pkt. 75 cts., 3 pkts. \$2.

Crimson Star. Blood-red, center petals white. Pkt. 25 cts., 5 pkts. \$1.

Cerulea. Violet-blue and white; 2 ft. Pkt. 15 cts., ½oz. \$1.25, ¼oz. \$2.

Chrysantha. Yellow; 3 ft. Pkt. 10 cts., ½oz. 75 cts., ¼oz. \$1.25.

Californica hybrida. Yellow and orange; 3 ft. Pkt. 15 cts., ½oz. \$1, ¼oz. \$1.50.

Longissima. Yellow; 2½ ft. Spurs often 4 inches long. Pkt. 50 cts., 3 pkts. \$1.25.

Longissima Hybrids. Broad petals and long spurs. Colors are red, blue, white and rose. Pkt. 50 cts., 3 pkts. \$1.25.

Rose Queen. Rose shades, white centers. 3 ft. Pkt. 25 cts., ½oz. \$1, ¼oz. \$1.75.

Sawco Colossal. See page 31. Pkt. 50 cts., 3 pkts. \$1.25, ½oz. \$2.

ARCTOTIS (African Daisy). *Annual.* White-woolly leaves and daisy-like flowers.

Autumn Shades. Mixed colors; 2 ft. Various tones of red, orange, and bronze, reminiscent of Indian Summer. Pkt. 35 cts., 3 pkts. \$1, ½oz. \$1.50.

Breviscapa aurantiaca. Orange; 6 in. Daisy-like flower, shading to reddish brown on the back. Pkt. 35 cts., 3 pkts. \$1.

Grandis. Lilac; 3 ft. Flowers are large, showy, white above, lilac-blue beneath. Pkt. 10 cts., ½oz. 50 cts., oz. \$1.50.

Sawco Hybrids. 1 ft. Including: coppery rose, red, crimson, orange, gold, cream. Pkt. 35 cts., 3 pkts. \$1, ½oz. \$1.50.

ARENARIA montana (Sandwort). *Perennial.* White; 6 in. For the rock-garden or edging. A trailing carpet of green with small flowers. Pkt. 35 cts., 3 pkts. \$1.

Asters Resistant to Wilt

Annual. Asters should have an open, sunny position, and prefer a good, rich, loamy soil; do not grow them on the same ground two years in succession. Seeds may be started in a sunny window, hotbed or coldframe in April and transferred to the garden as soon as danger of frost has gone. May also be sown outside in May. Allow 1½ feet between plants.

AURORA, GOLDEN SHEAF. The deepest yellow Aster. The flowers are perfectly double, with a full, crest-like center. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

BALL'S WHITE. Finest midseason white Aster. The flowers are 4 inches in diameter. Broad petals are slightly folded lengthwise. Pkt. 25 cts., ½oz. 75 cts., oz. \$2.50.

BLUE FLAME. Bright navy-blue. Large, Comet-like flowers, fully double. Pkt. 15 cts., ½oz. 50 cts., oz. \$1.50.

ENCHANTRESS. Delightful shade of lively salmon-rose. Large flowers of good substance are produced on plants of the Crego type in early September. Pkt. 25 cts., ½oz. 75 cts., oz. \$2.50.

ILLUSION. A soft pastel shade of apricot-pink. Upright plants are 2 feet tall and they bloom freely. A delightful new member of the Crego type. Pkt. 25 cts., ½oz. 75 cts., oz. \$2.50.

PRINCESS ASTERS. See page 31

Princess Annie **Princess Bonnie**
Princess Marsha

Each, pkt. 25 cts., ¼oz. \$1, oz. \$3.50

ARABIS alpina (Rock-Cress). *Perennial.* White; 1 ft. For edging and rockeries. Spreading tufts covered with flowers in April. Pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50.

Alpina rosea. *Perennial.* Rose; 1 ft. Pkt. 25 cts., 5 pkts. \$1, ¼oz. \$2.

Snow Cap. White; 6 in. Blooms hide the leaves. Pkt. 25 cts., ½oz. \$1, ¼oz. \$1.50.

ARGEMONE mexicana (Prickly Poppy). *Annual.* Yellow shades; 2½ ft. Spiny foliage has a silvery mid-rib. Flowers are 3 inches across, yellow to creamy white.

Platyceras rosea (Crested Poppy). *Annual.* Ruby-rose; 2½ ft. Similar to the above.

Each, pkt. 10 cts., ¼oz. 50 cts.

QUEEN OF THE MARKET. *Wilt-resistant.* Well-known; early; branching habit. 1½ ft.

White **Scarlet**
Crimson **Flesh-Pink**
Dark Blue **Light Blue**

Any of above colors, pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50

Mixed. Pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50.

COLLECTION: Pkt. each, above 6 colors, 75 cts.

EARLY ROYAL. (Branching Type.) *Wilt-resistant.* Early-flowering form. July.

White **Purple**
Lavender **Shell-Pink**
Rose-Pink **Scarlet**

Each color, pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50

Mixed. Pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50.

COLLECTION: Pkt. each, above 6 colors, 75 cts.

IMPROVED CREGO, or OSTRICH-FEATHERED. (Comet Type.) *Wilt-resistant.* Finest of the Comet Asters. Long-stemmed flowers are 5 inches across.

Orchid **Azure-Blue** **Shell-Pink**
Deep Rose **Crimson**
Dark Blue **White**

Any of above colors, pkt. 20 cts., ¼oz. 75 cts., oz. \$2.50

Mixed. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

COLLECTION: Pkt. each, above 7 colors, \$1.25

ARMERIA (Sea Pink; Thrift). *Perennial.* Useful and effective, tufted rock-garden plants with reed-like leaves and dense, rounded flower-heads from June to August.

Formosa. Beautiful pink; 12 in. Pkt. 20 cts., ½oz. 60 cts., ¼oz. \$1.

Formosa, Large-flowering Hybrids. Mixed colors; 16 in. Bright hues of pink, red, and carmine; large, ball-shaped flowers. Pkt. 25 cts., ½oz. 75 cts., ¼oz. \$1.25.

ARNICA montana (Mountain Tobacco). Fragrant perennial, with 2-inch yellow flowers; excellent for the rock-garden. 1½ ft. Tincture of arnica is made from it. Pkt. 35 cts., 3 pkts. \$1.



Midseason Giants Asters



Hardy Asters



Giant Sunshine Asters

Asters Resistant to Wilt

All colors are now available in varieties that are highly wilt-resistant. They are not claimed to be entirely immune, however, although they are very robust and less likely to be affected than old-time sorts.

ASTERMUMS. *Wilt-resistant.* New race of the Comet type. The plants are of upright growth frequently having twelve to fifteen strong, sturdy stems, each carrying enormous flowers like chrysanthemums.

White Lavender Rose-Pink

Each color, pkt. 20 cts., ¼oz. \$1, oz. \$3.50

Mixed. Pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50.

COLLECTION: Pkt. each, above 3 colors, 50 cts.

MIDSEASON GIANTS. Sturdy, upright plants produce giant flowers often measuring 6 inches in diameter and fully double.

Azure-Blue Shell-Pink Purple

Lilac White Rich Rose

Each color, pkt. 25 cts., ¼oz. 75 cts., oz. \$2.50

Mixed. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

COLLECTION: Pkt. each, above 6 colors, \$1

BEAUTY. This type comes into bloom in September and is at its best through October. The plants grow nearly 3 feet high and bear their very large, dense flowers on long stems.

Flesh-Pink Deep Rose White

Purple Azure-Blue Crimson

Each color, pkt. 25 cts., ¼oz. 75 cts., oz. \$2.50

Mixed. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

COLLECTION: Pkt. each, above 6 colors, \$1

LATE BRANCHING. The flowers are of extraordinary size and stand erect on long, graceful stems, well above the foliage.

Pure White Purple

Shell-Pink Crimson

Rose-Pink Sensation (red)

Lavender

Each color, pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50

Mixed. Pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50.

COLLECTION: Pkt. each, above 7 colors, 85 cts.

ARALIA Sieboldi. *Conservatory Evergreen.* Foliage Perennial. Grows up to 20 feet high. Pkt. 50 cts., 3 pkts. \$1.25.

SINGLE COMET. Very decorative. Large blooms measure 5 to 6 inches across.

White Dark Blue Scarlet

Light Blue Light Rose

Each color, pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50

Mixed. Pkt. 10 cts., ¼oz. 35 cts., oz. \$1.25.

COLLECTION: Pkt. each, above 5 colors, 60 cts.

Asters shown in color elsewhere in this book.

HEART OF FRANCE. Shown on front cover. Late-blooming; ruby-red flowers. 2 ft. Pkt. 25 cts., ¼oz. 75 cts., ¼oz. \$1.25.

EARLY GIANT VARIETIES on page 33.

Peach Blossom, Light Blue, Rose Marie.

Above 3, pkt. 25 cts., ¼oz. \$1, oz. \$3.50

COLLECTION C-1: Pkt. each 3 varieties 60 cts.

Non-Wilt-Resistant Strains

LILLIPUT-FLOWERED. Beautiful early, dwarf Asters, producing an abundance of small flowers; valuable for cutting. 14 in.

Crimson White, Blue Center

Dark Blue White, Rose Center

Brilliant Rose Pure White

Fiery Scarlet Mixed

Each color, pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50

COLLECTION: Pkt. each, above 7 colors, 85 cts.

GIANT SUNSHINE. Individual blooms are enormous, 4 to 6 inches in diameter, with cushiony centers of tubular florets and rims of exquisitely pointed out-guard florets. 3 ft.

Pale Pink Rich Rose

Lavender White

Salmon-Pink Mixed

Light Blue

Each color, pkt. 25 cts., ¼oz. 60 cts., ¼oz. \$1

COLLECTION: Pkt. each, above 6 colors, \$1

ARNEBIA cornuta (Arabian Primrose). Annual. Tubular yellow flowers spotted brown. 2 ft. Pkt. 35 cts., 3 pkts. \$1.

Hardy Aster, Perennial

Michaelmas Daisy; Starwort

Alpinus (Rock Aster). Large soft blue flowers. Good rock-garden plant. 9 in. May, June. Pkt. 25 cts., ¼oz. \$1, ¼oz. \$1.50.

Alpinus albus. White form of the above; 9 in. Pkt. 25 cts., ¼oz. \$1, ¼oz. \$1.50.

Amellus, Sonia (Italian Aster). Pure bright pink color. Awarded Certificate, R. H. S., England. 2 ft. Pkt. 50 cts., 3 pkts. \$1.25.

Novae-angliae, Mixed. Good-sized flowers. Violet-purple, reddish crimson and pink. 4 ft. Pkt. 15 cts., ¼oz. 60 cts., ¼oz. \$1.

ASCLEPIAS curassavica (Blood Flower).

Greenhouse Plant. Purplish red flowers with orange hoods. Winter bloomer. 2 ft.

Tuberosa (Butterfly Weed; Pleurisy Root). *Hardy Perennial.* Orange; 2½ ft.

Each, pkt. 25 cts., 5 pkts. \$1.

ASPARAGUS plumosus nanus. *Greenhouse Plant.* A graceful subject for house or conservatory. Finely cut, fern-like foliage. Pkt. 25 cts., 100 seeds 60 cts., 500 seeds \$1.75, 1000 seeds \$3.

Sprengeri. *Greenhouse Climber.* For hanging-baskets or cutting. Leaflets about 1 inch long. Pkt. 15 cts., 100 seeds 50 cts., 500 seeds \$1.50, 1000 seeds \$2.50.

ASPERULA odorata (Woodruff). See page 27. Pkt. 25 cts., ¼oz. 60 cts.

AUBRIETIA (False Wall Cress). *Perennial.* Rock-plants, forming mats of foliage and flowers in spring and summer. 6 in.

Bougainvillei. Dark blue.

Deltoidea. Lilac. **Græca.** Light blue.

Above 3 varieties, pkt. 15 cts., 2 pkts. 25 cts.

Leichtlini. Bright reddish crimson color.

Pkt. 25 cts., 5 pkts. \$1.

Large-flowering Hybrids, Mixed. Wide color-range. Pkt. 25 cts., 5 pkts. \$1.

AURICULA. *Perennial.* Primrose-shaped blooms, in color from dark crimson-scarlet through pink to cream; 8 in. Sow in March; they bloom indoors next winter, or are bedded out in spring. New Triumph Strain.

Pkt. 50 cts., 3 pkts. \$1.25.

BALLOON VINE (Love-in-a-Puff). *Annual Climber.* White; 8 ft. The inflated seed-vessels are interesting. Pkt. 10 cts., ½oz. 30 cts., oz. 50 cts.

BEGONIAS

The following varieties of *Begonia semper-florans* and *B. gracilis* rank as bedding plants with geraniums and coleus, doing equally well in full sunlight, and surpassing both in shady positions. They grow about 1 foot high, and form dense bushes which, from May until frost, are hidden with flowers. As pot-plants they are a mass of bloom all year. Easily raised from seed sown indoors.

Semperflorens Type

Carmen. Similar in type to Indian Maid. The flowers are clear pink and the foliage is a dark, shining green.

Coral Prize. Resembles Christmas Pink in type of growth and leaves, except that it is a deep coral-pink self.

Indian Maid. A dwarf Begonia growing not more than 15 inches high, with deep blackish brown foliage and brilliant orangy scarlet flowers of about 1 inch in diameter.

Isle de France. Similar to Coral Prize in type, but flowers are pure white.

Zahringer. Similar to Christmas Cheer, with the exception of the color. The flowers are from 1½ to 2 inches across, rose-pink, shading to white in the center.

Above 5 sorts, pkt. 50 cts., 3 pkts. \$1.25,
6 pkts. \$2

Christmas Cheer. Plants covered with cherry-red flowers 2 inches in diameter. Pkt. 25 cts., 5 pkts. \$1, ¼oz. \$3.50.

Christmas Pink. Same as above, except in color, which is a beautiful shade of bright pink. Pkt. 25 cts., 5 pkts. \$1, ¼oz. \$3.50.

White Bedding Queen. Pure, glistening white. Pkt. 25 cts., 5 pkts. \$1.

Gracilis Type

Primadonna. Carmine-rose. Brown-tinted foliage.

Luminosa. Brilliant dark scarlet.

Each, pkt. 25 cts., 5 pkts. \$1

Luminosa compacta. Scarlet flowers. 5 in.

Gracilis, Carmen. Clear pink. Foliage dark and shining.

Above 2, pkt. 50 cts., 3 pkts. \$1.25

Tuberous-rooted Begonias

Grow indoors and out (during summer).

Single, Mixed. **Double, Mixed.**

Each, pkt. 75 cts., 3 pkts. \$2

Other Begonias

Evansiana. Hardy Begonia. Large flesh-colored flowers. Height 2 ft. Tuberous-rooted variety that will usually stand a New York winter if mulched with peat moss. Pkt. 75 cts., 3 pkts. \$2.

Lloydii, Mixed. Drooping type, useful for basket-work. Pkt. 75 cts., 3 pkts. \$2.

BAPTISIA australis (False Indigo). Perennial. Blue; 3 ft. Deep green, cut foliage and lupine-like flowers. June, July. Pkt. 10 cts., ¼oz. 35 cts., oz. \$1.25.

BELLIS (English Daisy). Familiar dwarf hardy perennial with bright flowers (all double except last variety) for edging spring flower-beds. Stands the winter if given protection. Seed may be sown in early summer to bloom the following year.

Giant-flowering. White, Pink, Mixed.

Each, pkt. 35 cts., ¼oz. \$1, ¼oz. \$1.75

Snowball. Pkt. 25 cts., ¼oz. 75 cts., ¼oz. \$1.25.

Red Quilled. Pkt. 35 cts., 3 pkts. \$1, ¼oz. \$1.50.

English Daisy (*Bellis perennis*). The small single wild flower found in English lawns. Pkt. 25 cts., 5 pkts. \$1.

BALSAM

Lady's Slipper

Annual. Sturdy pyramidal plants (except Bush-flowered) with brilliant double flowers shaped like camellias, borne close to the stem. Useful and very showy garden subjects, which make excellent flower-beds.

White Perfection. Large; white.

Scarlet King. Glowing, fiery scarlet.

Salmon Queen. Deep salmon-pink.

Lilac Gem. Beautiful pale lilac.

Purple King. Rich purple.

Primrose Gem. Beautiful primrose.

Each, pkt. 10 cts., ¼oz. 50 cts.

COLLECTION: Pkt. each, above 6 colors, 50 cts.

S. & W. Co.'s Double, Mixed. Self-colors as well as spotted, blotched and striped varieties. An effective blend. Pkt. 10 cts., ¼oz. 30 cts., oz. \$1.

Bush-flowered, Mixed. Rounded plants like the above, but the flowers range from white, through scarlet, lilac, and pink to yellow. Pkt. 25 cts., ¼oz. \$1, oz. \$3.50.

BARTONIA aurea. Annual. Yellow; 1 ft. Buttercup-like flowers open evenings, from July to September. Fragrant and useful for cutting. Pkt. 10 cts., ¼oz. 50 cts.

BOCCONIA cordata (Plume Poppy; Tree Celandine). Perennial. Light yellow; 5 ft. Effective as single specimens or groups. Bears spikes of cream-colored flowers, 1 to 2 ft. long. Pkt. 10 cts., ¼oz. 50 cts.

BOLTONIA latissuama (False Chamomile). Perennial. Lilac-pink; 5 ft. Resembling the wild aster. Daisy-like flowers from July to September. Pkt. 25 cts., 5 pkts. \$1.

BRACHYCOME (Swan River Daisy or Annual Cineraria). Annual. 1½ ft. Dwarf plant covered during the summer with a profusion of flowers. Good for edging or borders, giving a beautiful display.

Blue Star **Mixed** **White Star**

Each, pkt. 15 cts., ¼oz. 75 cts.

Red Star. Pkt. 25 cts., 5 pkts. \$1.

BROWALLIA (Amethyst). Annual. Beautiful rich blue tubular flowers during summer and autumn. Blooms freely in winter if plants are lifted and cut back.

Sapphire. 10 in. Dark blue, white eye. Pkt. 25 cts., 5 pkts. \$1.

Speciosa major. 1 ft. Large; violet-blue. Pkt. 50 cts., 3 pkts. \$1.25.

CALCEOLARIA (Slipperwort). Greenhouse or Bedding Plant. Pouch-like flowers.

S. & W. Co.'s Giant Strain. Grown by an English specialist. Enormous blooms and the finest obtainable. For greenhouse growing. Pkt. 50 cts., 3 pkts. \$1.25.

Albert Kent Hybrids. Flowers are 1½ inches across. They are all shades of orange and yellow, many fantastically blotched. Grow it indoors or plant it out. Pkt. 35 cts., 3 pkts. \$1.

Multiflora nana, Golden Tiger. Small yellow, brown-spotted flowers in great profusion. Pkt. 50 cts., 3 pkts. \$1.25.

Multiflora nana, Mixed. These are ideal for bedding, with small flowers produced in great profusion. All shades and combinations of yellows, orange and brown. Pkt. 50 cts., 3 pkts. \$1.25.

Rugosa, Mixed. Shrubby; for bedding. Pkt. 50 cts., 3 pkts. \$1.25.



Begonias, Gracilis Type



Balsam, White Perfection



Giant-flowering Daisy (Bellis)

CALENDULA • Pot Marigold

Annuals; yellow or orange daisy-like flowers. Sow in the open in spring, or earlier indoors and transplant. Grown under glass during winter. 2 feet.

Pale Moon. Light cream or primrose, the fully double, 2-inch flowers are perfect in shape, and the compact plants save much greenhouse space. Ideal outdoor sort, also. 8 in. Pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50.

New Double Art Shades. A mixture of colors that hitherto have been unobtainable: pastel hues of cream, apricot, yellow, tangerine, etc. Suitable for both indoors and out. Pkt. 15 cts., 1/4 oz. 35 cts., oz. \$1.25.

Campfire (Sensation). The best forcing Calendula. The flat blooms are large, brilliant orange, with a scarlet sheen. Pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50.

Radio. The florets are beautifully quilled and the flower is very globular in shape. In color it is a warm, deep yellow. Pkt. 10 cts., 1/4 oz. 25 cts., oz. 75 cts.

Chrysantha. Large, double, buttercup-yellow flowers, globe-shaped and with large, drooping chrysanthemum-like florets. Pkt. 15 cts., 1/4 oz. 35 cts., oz. \$1.25.

Chrysantha, Twilight. Splendid novelty. The large, incurved blooms, measuring 4 inches across, are soft, pastel yellow, blended with white, like thick, rich cream. Pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50.

Orange Shaggy. Florets overlap and flowers look like a chrysanthemum. Deep orange. Pkt. 10 cts., 1/4 oz. 25 cts., oz. 75 cts.

Lemon Shaggy. A fitting companion to the above. The color is a live lemon-yellow. Pkt. 15 cts., 1/4 oz. 35 cts., oz. \$1.25.

Orange Fantasy. The center or crest of the flower is 3/4 inch across and mahogany-bronze, while the outer portion is orange. Over all, the blooms average 3 3/4 inches. Pkt. 15 cts., 1/4 oz. 35 cts., oz. \$1.25.

Gold King Lemon King Orange King Above three, pkt. 15 cts., 1/4 oz. 35 cts., oz. \$1.25

COLLECTION: Pkt. each, above 3, 35 cts.; 1/4 oz. each of above 3, \$1

Yellow Colossal. See page 31. Pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50.

BALL'S STRAIN CALENDULAS

Ball's Orange Improved
Ball's Gold Improved **Ball's Apricot**
Ball's Masterpiece **Ball's Supreme**
Each, pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50

Cut-Flower Mixture. Special; contains all colors and all types—Chrysantha, Fantasy, Shaggy, etc. Pkt. 15 cts., 2 pkts. 25 cts., 1/4 oz. 60 cts., oz. \$2.

Mixed Calendulas. All colors from near white to deep orange. Pkt. 10 cts., 1/4 oz. 15 cts., oz. 50 cts.

CACALIA coccinea (Tassel Flower; Flora's Paint-Brush). *Annual.* Red; 1 1/2 ft. Bright tassel-shaped flowers in clusters. June–Sept. Pkt. 10 cts., 1/4 oz. 50 cts.

CALAMINTHA alpina. Beautiful blue-flowering rock-garden perennial. 4 in. Pkt. 50 cts., 3 pkts. \$1.25.

CALANDRINIA grandiflora. *Annual.* Purple; 2 ft. Small flowers with yellow stamens. Pkt. 10 cts., 1/4 oz. 30 cts., oz. \$1.



Calendula, Orange Fantasy



Calceolaria. (See page 42)



Coreopsis grandiflora, Double Sunburst

CALLIOPSIS and COREOPSIS

Showy annuals and perennials. The long-stemmed flowers are mostly yellow and daisy-shaped, with a center tuft and broad ray-florets which are wide, fluted, and frequently notched on the outer margin. Gather flowers freely, as doing so prolongs the blooming season until autumn. They are excellent for cut-bloom.

ANNUAL CALLIOPSIS

***Gold Crest.** Gold; 1 ft. Rich golden yellow, chestnut-brown center.

***Crimson King.** Garnet; 10 in. Crimson-garnet.

***Marmorata.** Yellow and red; 2 ft.

***Tiger Star.** Red and yellow; 10 in. Rich reddish brown, tigered with golden yellow.

***Nigra speciosa.** Reddish brown; 2 ft. Large flowers.

***Bicolor nana.** Yellow, garnet eye; 10 in.

S. & W. Co.'s Mixture. 2 ft. A selection of tall varieties.

Each, pkt. 10 cts., 1/4 oz. 50 cts., oz. \$1.50
COLLECTION: Pkt. each 6 marked (*), 50 cts.

Golden Crown. 2 ft. A mixture of gold and orange types; many of the large blossoms have double florets. Excellent cut-flowers; fragrant. Pkt. 10 cts., 1/4 oz. 25 cts., oz. 75 cts.

PERENNIAL COREOPSIS

Yellow Flowers

Grandiflora. 2 ft. Deep golden yellow, cup-shaped flowers on fine stems for cutting. Pkt. 10 cts., 1/4 oz. 25 cts., oz. 75 cts.

Grandiflora, Double Sunburst. 2 ft. Brilliant deep golden yellow flowers, 80 per cent of them fully double and 3 1/4 inches across. Excellent for cut-bloom. Pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50.

Lanceolata grandiflora. 2 ft. Golden yellow. Pkt. 10 cts., 1/4 oz. 30 cts., oz. \$1.

Mayfield Giant. 3 1/2 ft. The plant is more vigorous than the type, with larger flowers on longer stems and the color is more intense yellow. Pkt. 15 cts., 1/4 oz. 35 cts., oz. \$1.25.

CANARY CREEPER (*Tropaeolum canariense*). *Annual Climber.* A rapid-growing climbing plant, producing hundreds of its small, pretty, fringed, bright yellow flowers. Pkt. 10 cts., 1/4 oz. 25 cts., oz. 75 cts.

CARDINAL CLIMBER (Star Glory; *Ipomoea Quamoclit cardinalis*). A rapid-growing, half-hardy annual climber, often reaching 30 feet. Fern-like foliage and cardinal-red flowers 1 1/2 inches in diameter, borne in clusters. Sow seeds indoors during April or outdoors in May. Pkt. 10 cts., 1/4 oz. 30 cts., oz. \$1.

CATANANCHE (Cupid's Dart). *Perennial.* Clusters of daisy-like, chaffy everlasting flowers. Blooms same year if sown early. **Cerulea.** Blue; 3 ft.

Cerulea bicolor. Blue and white; 3 ft.
Each, pkt. 15 cts., 2 pkts. 25 cts.

CERASTIUM tomentosum (Snow-in-Summer). *Perennial.* White; 9 in. Dwarf, creeping white-leaved edging plant. Small flowers. Pkt. 15 cts., 1/4 oz. \$1, oz. \$3.

CAMPANULA • Bellflower

Canterbury Bells

Campanula Medium

Biennial. One-inch-wide bells on long spikes. Seed should be sown from June to September; when strong enough, transplant 9 inches apart; after frost has set in, protect with leaves and straw. They flower the following June, after which they die.

Single White, Rose, Light Blue, Dark Blue, and Mixed. Each, pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Double White, Rose, Light Blue, Dark Blue, and Mixed. Each, pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

Dwarf Bedding, Mixed. A really dwarf, compact type; splendid for bedding. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

Annual Canterbury Bells

If seeds are sown in gentle heat during February and March, and the seedlings planted out in the garden as soon as danger of frost has passed, the plants will bloom in September.

Wedding Bell. A new variety. Pure white.

Liberty Bell. Violet-blue.

Blue Bell. Beautiful Cambridge-blue.

Angelus Bell. Rose-pink.

Mission Bell. Clear pink.

Mixed.

Each, pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25
COLLECTION: Pkt. each, above 5 varieties, 35c.

Cup-and-Saucer Bells

Campanula calycanthema

Biennial. Large, single flowers on long spikes. The calyx is colored as well as the corolla, causing the flowers to resemble a cup and saucer.

White, Rose, Strawberry-Red, Light Blue, Dark Blue, and Mixed. Each, pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

Perennial Campanulas

These are among our best border plants. Some will flower the first season from seed.

Carpatica. Blue; 6 in. Largely used for edging. Flowers all summer. Pkt. 15 cts., 1/4oz. \$1.

Carpatica alba. White; 6 in. Form of above. Pkt. 15 cts., 1/4oz. \$1.

Fragilis. Purple; 6 in. A trailing plant with pale purplish blue, white-centered flowers. Pkt. 25 cts., 5 pkts. \$1.

Garganica. Blue; 10 in. A lovely trailing rock-plant. Delicate pale blue. Pkt. 50 cts., 3 pkts. \$1.25.

Persicifolia grandiflora (Peach Bells). Plant is a 3-ft. pyramid, with large bell-shaped flowers. Pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1.

Persicifolia grandiflora alba. White form of the above. 3 ft. Pkt. 20 cts., 1/8oz. \$1, 1/4oz. \$1.50.

Persicifolia, Telham Beauty. Blue; 4 ft. Large flowers of delicate china-blue; within the bells is a silvery shading. Pkt. 25 cts., 1/8oz. \$1.50, 1/4oz. \$2.50.



Campanula garganica

Persicifolia, Telham Beauty White. White; 4 ft. Large flowers. Pkt. 35 cts., 3 pkts. \$1, 1/4oz. \$1.50.

Persicifolia, Wedgwood. Violet-blue; 3 1/2 to 4 ft. Here we have larger flowers of a richer, deeper violet-blue. An ideal subject for the middle distance of your hardy border. Pkt. 50 cts., 3 pkts. \$1.25.

Pyramidalis (Chimney Bellflower). Blue; 4 ft. Erect pyramidal plant with beautiful flowers. Pkt. 15 cts., 1/4oz. \$1.

Pyramidalis, White. Pkt. 15 cts., 1/4oz. \$1.

Rotundifolia, Olympica. Blue; 1 ft. A variety of Harebell or "Bluebells of Scotland." Light blue flowers all year; stands shade. Pkt. 25 cts., 5 pkts. \$1.

CARNATIONS

Annual Varieties

GIANT DOUBLE KING. Seed may be sown outdoors in spring or, for earlier bloom, they may be sown indoors. Plant the seedlings 6 inches apart, and from mid-summer until frost you will have Carnations that are full and sweetly perfumed and medium large. Remove side-buds so as to allow one flower on a stem at a time.

**Maroon King
Rose King
Pink King**

**White King
Yellow King
Red King**

Mixed, All Colors

Each, pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1

COLLECTION: Pkt. each, above 6 colors, 75c.



Hardy Carnations

Annual Carnations, continued

ENFANT DE NICE. Of upright habit, with flowers 2 1/2 to 3 inches in diameter on long stems. This is, so far, the last word in annual Carnations. Colors come about 75% true from seed, and the plants are about 90% double.

**Red
Rose**

**Salmon
Striped**

**White
Mixed**

Each, pkt. 50 cts., 3 pkts. \$1.25

Mixed Marguerite Carnations. Flowers are a trifle smaller, but otherwise the plants are similar to those of the Giant Double King. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Perennial Carnations

Sown Early, they will bloom the first year

Double Border, Dwarf Grenadin

An early type of hardy perennial Carnations, with large flowers. Height 14 inches.

**King of the Blacks
White
Scarlet**

**Yellow
Rose Queen
Mixed**

Each, pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25

PERPETUAL-FLOWERING CARNATIONS.

The finest strain of these beautiful, hardy perennials. Outside they flower the entire summer; under glass they bloom all year. A mixture of large flowers in exquisite colorings. A creation of famed English specialists. Originators' pkt. 50 cts.

PERPETUAL BORDER CARNATIONS.

These combine the hardiness, shape, and beauty of the Border Carnation with the continued flowering of the Perpetual Carnation. Ideal hardy perennials, blooming all summer. Mixed colors. An English creation. Originators' pkt. 50 cts.

HARDY COTTAGE. Crossing the older herbaceous garden Carnations with modern types has produced hardy plants that need no staking. The large, double, fragrant flowers, in all colors, bloom all summer. A creation of famed English specialists. Originators' pkt. 50 cts.

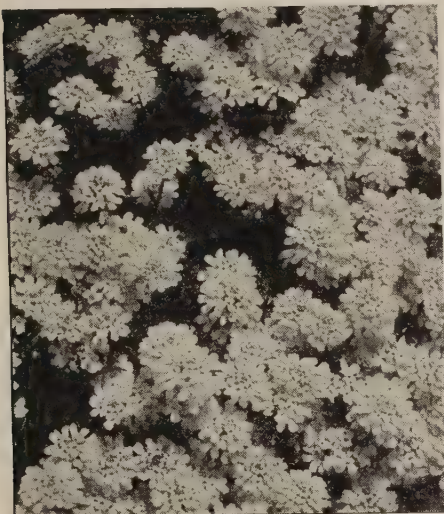
HARDY. FINEST MIXED. U. S. grown.

The flowers are 1 1/2 inches across, cover the plant, are very double, and are of all colors. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.

See also *Dianthus*.



Canterbury Bells



Perennial Candytuft, *Sempervirens*

CANDYTUFT • *Iberis*

Popular fragrant plant, with bright flowers in flat clusters, for bedding or border work. Sow outdoors in April, where it is to bloom, and thin well when the plants grow about 1 inch. Sow also in July for fall blooming. Best results can be obtained by spacing the plants at least a foot apart. Keep faded flowers cut off, and water freely in dry weather.

Giant Hyacinth-flowered. White; 1 1/4 ft. Fine tall annual variety. Flowers large, borne in big trusses well above the foliage. For cutting or the border. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Miniature Hyacinth-flowered

The Gem. White; 4 in. The trusses of large flowers are pushed above the plant, as in the Hyacinth-flowered type, but the entire plant is only 4 inches high. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Mammoth-flowered Candytuft

Large-flowered but uniformly dwarf variety, suitable for edging, bedding, and for growth in the annual border. 10 in.

Carmine	Lavender
Rose-Cardinal	Crimson
White	Flesh-Pink

Each, pkt. 10 cts., 1/4oz. 30 cts., oz. \$1

Mixed. Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

COLLECTION: Pkt. each, above 6 colors, 50c.

Perennial Candytuft

Both these are evergreen and 1 ft. high.

Gibraltarica. White, shaded pink and light purple. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Sempervirens. Pure white flowers. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

CHELONE (Turtlehead). *Perennial.* Decorative plant for the hardy border; the long panicles which bear the small two-lipped tubular florets are good for cutting.

Barbata coccinea. Red; 3 ft.

Barbata Torreyi. Coral-red; 3 ft.

Each, pkt. 15 cts., 1/4oz. 75 cts.

Barbata Hybrids, Mixed. Shades of pink, rose, carmine, and violet. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

CASTOR-BEAN

Palma Christi; Ricinus

Annual. Tall, stately growing tender plants of tropical appearance. Oil is expressed from the curious beetle-like seeds.

Africanus. Very large green foliage.

Borboniensis arboreus. Green foliage. 15 ft.

Cambodgensis. Leaves bronzy maroon; red veins; stems black.

Communis. Green foliage. 6 ft.

Red Spire. Dark red leaves; stately pyramidal plant. 6 ft.

Sanguineus. Tricolor, red spotted. 10 ft.

Zanzibarensis. Green leaves; white veins. Each, pkt. 10 cts., oz. 25 cts.

Mixed. Pkt. 10 cts., oz. 25 cts., 1/4lb. 75 cts. **Non-Germinating Castor Beans.** For rodent control and oil-extraction. Lb. \$1.



Celosia plumosa

CELOSIA

Celosia cristata (Cockscomb) 1 ft.

Free-blooming annuals, growing best in light soil. Flowers are in tight clusters. Grand border plants, and they are attractive for pots. Seed can be sown under cover in early spring and planted out in May, or may be sown outdoors in May.

Empress. Rich crimson.

Glasgow Prize. Dark crimson.

Golden Yellow. Rose.

Each, pkt. 15 cts., 1/4oz. \$1

Dwarf Mixed. Pkt. 10 cts., 1/4oz. 75 cts.

Royal Velvet. Crimson; 2 ft. This new sort is remarkably free flowering. Produces a large center flower, surrounded by smaller clusters on basal branches.

Miracle. Mixed; 2 1/2 ft. Enormous size and odd colorings! Brilliant reds, from dark crimson to scarlet; salmon, bronze, gold through purple to pink and white.

Above two, pkt. 25 cts., 1/4oz. \$1, 1/4oz. \$1.50

Celosia plumosa 2 ft.

Feathered Cockscomb

Fine for large beds or groups. The flowers are plume-like and graceful; they can be cut and dried for winter bouquets. Ostrich Plume type.

Crimson	Yellow	Mixed
Each, pkt. 10 cts., 1/4oz. 50 cts.		

Plumosa Superba. Mixed colors; 3 ft.

Great fluffy plumes in the most brilliant and varied colors. This highly bred strain is the result of 30 years' careful selection. Pkt. 25 cts., 1/4oz. \$1, 1/4oz. \$1.50.

Celosia plumosa, Heatherdell

1 1/2 ft.

Wonderful colors and a compact growth are the outstanding features of this Feathered Celosia. Specially suitable for greenhouse culture.

Golden Feather. Yellow.

Fiery Feather. Red and pink shades.

Each, pkt. 25 cts., 1/4oz. \$1, 1/4oz. \$1.50

Celosia Thompsoni magnifica

2 1/2 ft.

Improved Strain of Feathered Cockscomb

Of pyramidal growth, and producing graceful, feathery plumes of the most magnificent shades.

Crimson	Yellow
Each, pkt. 15 cts., 1/4oz. \$1	
Mixed. Pkt. 10 cts., 1/4oz. 75 cts.	

Celosia Childsi (Chinese Woolflower)

2 to 3 ft.

This is a unique form of the Feathered Cockscomb. Each branch is terminated with a large head of flowers that seem to be made out of some silky wool material. Very effective for beds, borders, or cut-flowers.

Crimson. Very rich color.

Pink	Yellow	Fine Mixed
Each, pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50		

Celosia pyramidalis, Pride of Castle Gould

2 to 3 ft.

A distinct type and surpassing by far anything yet on the market. The compact, pyramidal plants produce immense feathered heads of all colors: Blood-Red, Wine-Red, Scarlet, Carmine, Salmon, Orange, and Gold.

Mixed Shades. Pkt. 25 cts., 1/4oz. \$1, 1/4oz. \$1.50.

CELSIA Arcturus (Bear's Tail). Perennial.

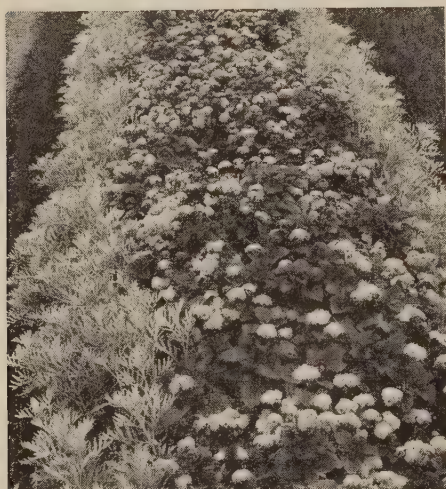
Yellow; 2 1/2 ft. Ornamental perennial with yellow flowers. Pkt. 50 cts., 3 pkts. \$1.25.



Celosia cristata

SOW YOUR NEW LAWN

with STAIGREEN. The best mixture of grass seed for general home turf. One pound sows 200 square feet, and costs 65 cts.



Dusty Miller used as border



Centaurea montana



Centaurea imperialis

CENTAUREAS

Popular annuals and perennials which will grow anywhere and are excellent cut-flowers.

Double Cornflowers

Centaurea Cyanus

Blue Bottle; Bachelor's Button; Bluet; Ragged Sailor

Seed may be sown outdoors in April, and several sowings will give a succession of bloom. Thin plants to stand 8 inches apart. These are improved annual varieties. 3 ft.

Blue Boy. **Snow Man.** White.
Black Boy. Maroon. **Red Boy.** Deep red.
Pinkie. Rose. **Mixed.**
Mauve Queen.

Each, pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.
COLLECTION No. 27a: Pkt. each, above
6 colors, 50 cts.

Jubilee Gem. Annual. Cornflower-blue; 1 ft. These double flowers of true cornflower-blue literally cover the plant. Of the easiest garden culture; suitable also for flowering in the greenhouse. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Lilac Lady. Annual. Lilac-mauve; 1 ft. This ideal edging plant bears flowers of a bright lilac-mauve hue. Valuable for borders and for bedding. Excellent pot-plant. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Various Centaureas

Americana. Annual. Lilac; 4 ft. Flowers 4 inches across and of a deep lavender color. Excellent for garden decoration or cutting. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Americana alba. Annual. White form of the above. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

Dealbata. Perennial. Pink; 1 1/2 ft. Center of flower is red, margins pink or white. Pkt. 25 cts., 5 pkts. \$1.

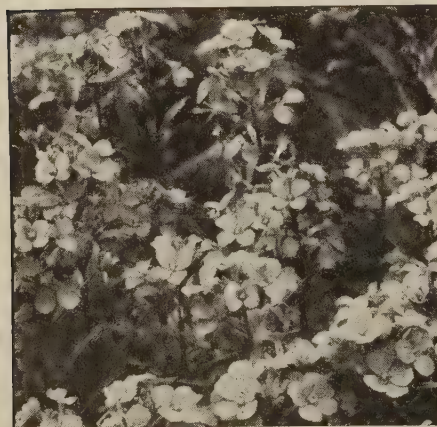
Macrocephala. Perennial. Yellow; 3 ft. Large, thistle-like, golden flowers, useful for cutting and fine for the hardy border. July, Aug. Pkt. 15 cts., 1/4oz. 75 cts.

Montana (Mountain Bluet). Perennial. Violet; 2 ft. Large flowers. July-Sept. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Ruthenica. Perennial. Lemon-yellow; 2 1/2 ft. Slender stems crowned with lemon-yellow, thistle-like flowers in August. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.



Cornflower, Jubilee Gem



Cheiranthus Allioni

Giant Sweet Sultans

Centaurea imperialis

Annuals. Valuable for cutting purposes. Beautiful, deliciously sweet-scented fluffy flowers are borne on long, strong stems. Sow for succession from May until July. 2 1/2 ft.

White **Purple** **Red**
Pink **Lilac** **Yellow**

Mixed. A select mixture of above colors.

Each, pkt. 15 cts., 1/4oz. 50 cts.

COLLECTION: Pkt. each, above 6 colors, 75c.

Lavender Beauty. Light lavender; 1 1/2 to 2 ft. A new Imperialis variety with flowers 3 to 3 1/2 inches across. An excellent border and cut-flower annual. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Dusty Millers (*Centaurea*)

Perennials, treated as annuals. Foliage plants for edging. The glistening white, contrasted with the bright color of coleus, salvia or canna, is very striking.

Candidissima. Foliage lanced and silver coated. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

Gymnocarpa. Fern-like leaves, and taller. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

CHEIRANTHUS. Biennial and perennial sorts, blooming first year.

Allioni (Siberian Wallflower). Orange; 1 1/2 ft. Early-flowering perennials for the rock-garden or as a dwarf border plant. Will bloom throughout the summer if seed-pods are removed. May be sown in a hot-bed in March and transplanted outdoors in May; or in the open ground in September, where required to flower the following spring. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Allioni, Golden Bedder. Golden; 1 1/2 ft. Deep yellow flowers larger than the type. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Kewensis (Greenhouse Wallflower). 2 1/2 ft. Valuable, half-hardy, hybrid Wallflower for growing under glass. The flowers are light yellow on opening and change to mauve when more mature. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

Linifolius. Mauve; 1 ft. For rock-gardens. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

CIMICIFUGA cordifolia. Perennial. White; 6 ft. Striking tall plant for the back of the border; it bears spikes of small flowers in Sept., Oct. Pkt. 50 cts., 3 pkts. \$1.25.

WE OFFER A COLLECTION

of six packets of seed of those **HARDY PERENNIALS** that are delightfully **FRAGRANT**. Price 75 cts.

ANNUAL CHRYSANTHEMUMS

Mostly single, daisy-like flowers with a colored ring at the base of the florets and a purple center. Good for flower-beds, and excellent for cutting, they average around 2 ft. in height and bloom from July to October.

Eldorado. Large, single, deep yellow flowers with a ring of reddish brown.

Burridgeanum (Beaconsfield). White petals, zone of rich brownish red and yellow.

Chameleon. The colors vary, but generally are brown and yellow.

Eastern Star. Clear yellow petals with dark disc.

Evening Star. Yellow petals, dark disc.

Morning Star. Petals canary-yellow, with a halo of deeper yellow, disc darker.

Northern Star. Flowers 3 inches in diameter; white, with yellow-brown center.

The Sultan. Rich wallflower-red with a narrow yellow zone around the brown disc.

Each, pkt. 10 cts., 1/4oz. 30 cts., oz. \$1
COLLECTION: Pkt. each, above 8 colors, 60 cts.

Blaze. Perfectly formed, large daisy-like flowers of clear fiery red with a vermilion tinge. Pkt. 35 cts., 3 pkts. \$1, 1/4oz. \$1.50.

Golden Crown. 3-4 ft. Fine deep yellow fully double flowers. Ideal for cut-bloom. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Golden Queen. Double; golden yellow. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

White Queen. White. Double flowers. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Mixed Annual Chrysanthemums
Single Double

Each, pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

PERENNIAL CHRYSANTHEMUMS

Mawi. Pink; 1 ft. Flowers 2 inches across. Silvery foliage. Ideal for the hardy border or rockery. Pkt. 50 cts., 3 pkts. \$1.25.

Double Anemone-flowered. Mixed colors; 2 ft. Many of the flowers measure 2 to 3 inches across and about 30 per cent are double. Greenhouse subject, and valuable outdoors when sown under glass in February. Pkt. 25 cts., 5 pkts. \$1, 1/4oz. \$1.50.

Korean Chrysanthemums. Mixed colors; 2 ft. Single brilliant flowers; many are large. Pkt. 50 cts., 3 pkts. \$1.25.

September Jewels. See page 31. Pkt. 60 cts.

White Shasta Daisies

Mrs. C. Lothian Bell. Flowers have been produced 6 inches across. A month later than the variety, Alaska, hence the two sorts may be planted for a succession of bloom. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Alaska. Popular variety with flowers frequently 5 inches across; white, with broad, overlapping petals. Pkt. 15 cts., 1/4oz. 50c.

Dwarf Avalanche. A low-growing white Daisy for the front of the hardy border. Pkt. 25 cts., 1/4oz. \$1.

Giant Double. An assortment of doubles, semi-doubles, and a type which, though single, forms curiously shaped flowers, with laciniated, curled, and quilled white florets. Pkt. 50 cts., 3 pkts. \$1.25.

CLERODENDRON fallax. Greenhouse Perennial. Bright red; 4 ft. Large blooms. Pkt. 50 cts., 3 pkts. \$1.25.

CLIANthus Dampieri (Glory Pea). Greenhouse plant. Bright scarlet and black. Grayish foliage. Pkt. 50 cts.

CINERARIA

Greenhouse Annual. Daisy-like blooms in most brilliant colors are produced in clusters in great profusion. Sow May-Sept. and endeavor to secure as sturdy a growth as possible. Transfer direct from seed-pans to thumb-pots; place in coldframe facing north. As pots become full of roots, shift to larger ones until flowering size is reached.

Cremer's Prize Strain. Flowers are large and color-range exceptionally fine. The florets are wide, and they overlap well to form attractive heads. Smaller leaves than those of the old type. Exceptionally resistant to wilt. Pkt. \$1.50, 3 pkts. \$4.

California Super-Giants

Prize Cinerarias, grown for us by a famous specialist. Produce numerous individual flowers, exceeding 5 inches in diameter, with florets 1 to 1 1/4 in. wide, on large trusses.

Blue Shades. **Salmon Shades.**
Crimson and Carmine Shades. Especially brilliant under artificial light.

Mixed. All the above in pleasing proportion.

S. & W. Co.'s Stellata. Has delicate, star-like blooms in great profusion on long stems. **Tall and Dwarf Mixed.**

Multiflora nana, Potsdam. An extra-choice, dwarf-growing strain with the plants completely covered with brightly colored flowers.

Cerulea. Sky-blue. **Rose.**
Azurea. Dark blue. **Mixed.**
Crimson.

Matador. A new large-flowering, deep scarlet; adds brilliance to a collection. Above Cinerarias, pkt. 50 cts., 3 pkts. \$1.25

CLARKIA

Annual plants of simple culture with showy flowers in leafy spikes. For the border or flower-bed, but they must have plenty of sun; a useful greenhouse plant also. 1 1/2 ft.

Dazzler. New bright orange-scarlet sort. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

Albatross. The flowers are pure white, very double, and appear in July. Pkt. 15 cts., 1/4oz. 35 cts., oz. \$1.25.

Glorious. Dark foliage capped by brilliant cherry-scarlet blossoms. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

May Blossom. Pure glowing rose, deepening to pink. Enormous blossoms. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Double Sorts

Salmon Queen. **Scarlet King.**
Brilliant King. Crimson. **White King.**
Purple King.

Each, pkt. 10 cts., 1/4oz. 30 cts., oz. \$1

COLLECTION: Pkt. each, above 5 colors, 35c.

Mixed. Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

CLEOME gigantea (Spider Flower). Annual. Pink; 3 ft. Singular-looking flowers. The stamens seem like spiders' legs. Sow seed outdoors in May and thin to 2 feet. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Golden. 3 to 4 ft. A new yellow-blooming type. Pkt. 25 cts., 5 pkts. \$1, 1/4oz. \$1.50.

Pink Queen. See page 31. Pkt. 25 cts., 1/4oz. 60 cts., 1/4oz. \$1.

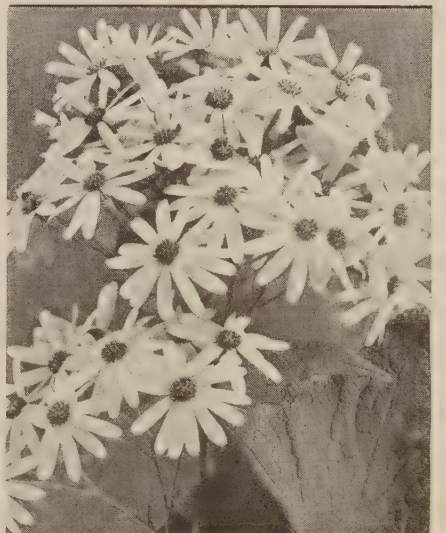
CLINTONIA pulchella. Annual. Blue; 10 in. A blue-flowered variety for shaded spots outdoors or hanging-baskets. 10 in. Pkt. 35 cts., 3 pkts. \$1.



Chrysanthemum, Golden Crown



Shasta Daisies



Cineraria, S. & W. Co.'s Stellata



Cosmos, Crested

COBÆA (Cup-and-Saucer Vine). *Annual Climber*. A rapid grower, attaining a height of 30 to 50 feet during the season. Start the seed indoors in March or outdoors in May. **Scandens**. Large bell-shaped purple flowers. Pkt. 10 cts., ¼ oz. 35 cts., oz. \$1.25. **Scandens alba**. White flowers. Pkt. 15 cts., ¼ oz. 50 cts., oz. \$1.50.

COLEUS thyrsoides. *Conservatory Plant*. Light blue; 3 ft. Green foliage. Pkt. \$1, 3 pkts. \$2.50.

Rainbow Hybrids. Bedding foliage plant with leaves of all colors; in mixture. Pkt. 50 cts., 3 pkts. \$1.25.

COLLINSIA, Salmon Beauty. *Annual*. Bright, cheerful, bell-shaped blossoms. Sow in the open ground in early spring. Salmon; 1 ft. Good bedding plants. Pkt. 15 cts., ¼ oz. 75 cts., oz. \$2.50.

COMMELINA coelestis (Day Flower). *Greenhouse Plant*. Deep blue; 1½ ft. One-inch flowers in leafy cymes. Pkt. 25 cts.

CONVOLVULUS. See *Ipomœa*.

COOPERIA pedunculata (Rain Lily; Prairie Lily). Fragrant white flowers, tinged with red, open at night. A tender bulbous plant needing the same treatment as tuberose. Pkt. 50 cts., 3 pkts. \$1.25.

CORAL FLOWER. *Half-hardy Annual*. Easily grown plant with fleshy leaves and clusters of star-shaped flowers. The seed-capsules which follow look like hundreds of polished coral beads. Pkt. 35 cts., 3 pkts. \$1.

CORYDALIS Cheilanthisfolia. *Perennial*. Yellow; 8 in. Ideal for the rock-garden. Fernlike leaves. Pkt. 50 cts., 3 pkts. \$1.25.

COSMIDIUM, Crown of Gold. *Annual*. Orange and yellow; 1 ft. Interesting daisy-like flowers. Does well in a sunny position. Pkt. 10 cts., ¼ oz. 30 cts., oz. \$1.

COTYLEDON simplicifolia. *Perennial*. *Rock-garden Plant*. Bright trailing spikes of tiny golden bells afford a brilliant effect in June and July. Protect it with peat moss over winter. Pkt. 50 cts., 3 pkts. \$1.25.

CRUCIANELLA stylosa (Crosswort). *Perennial*. Pink; 9 in. Globe-shaped clusters of flowers. Splendid for a partly shaded rock-garden. Pkt. 25 cts., 5 pkts. \$1.

CYPERUS alternifolius (Umbrella Palm). *Tender Perennial*. 3 ft. Useful aquarium, pool and pot-plant. Pkt. 15 cts., ¼ oz. 50 cts., ¼ oz. 75 cts.

Charming Cosmos

Annual. Cosmos is one of the most decorative of our garden flowers, and is of great value for cut-bloom. Sow about May 1, outdoors, covering the seed ¼ inch, and thin out or transplant to not less than 1½ feet apart. Sow under glass in April or May for earlier bloom.

Early Orange Flare. 3 ft. Orange flowers with light green foliage. The stems are long and wiry, well adapted for cutting. Pkt. 15 cts., ¼ oz. 50 cts., oz. \$1.50.

The following are described on page 31.

Yellow Klondyke. Pkt. 35 cts., 3 pkts. \$1, ¼ oz. \$1.50.

Orange Ruffles. Pkt. 25 cts., ¼ oz. \$1, oz. \$3.50.

Early Express Type

A modern quick-growing strain that reaches a height of about 2½ feet and bears fine large flowers on long stems within 45 days of sowing seed.

Crimson Express **Pink Express**
White Express **Mixed Express**

Each, pkt. 15 cts., ¼ oz. 50 cts., oz. \$1.50

COLLECTION: Pkt. each, above 3 colors, with **Early Orange Flare**, 50 cts.

Sensation Type

A new, early, large Cosmos. Its mammoth flowers are 4 to 5 inches across, with wide, fluted florets. Height, 4 feet; it flowers in 10 weeks from seed.

Pinkie (Pink) **Purity** (White)
Crimson Sensation

Each, pkt. 15 cts., ¼ oz. 50 cts., oz. \$1.50

Sensation, Single, Mixed. Pkt. 10 cts., ¼ oz. 30 cts., oz. \$1.

Sensation, Double, Mixed. Pkt. 25 cts., 5 pkts. \$1, ¼ oz. \$1.50, ¼ oz. \$2.50.

The following are described on page 31.

Pink Lady **White Cloud**
Each, pkt. 50 cts., 3 pkts. \$1.25

Early Dwarf, New Double-crested Type (Beauty)

The Extra-early Double strain of Cosmos has been very much improved in this crested type. Flowers are large, and they come into bloom as early as the Early Single sorts.

Pink Beauty **Crimson Beauty**
White Beauty **Mixed Beauty**

Each, pkt. 25 cts., ¼ oz. \$1, oz. \$3.50

COLLECTION: Pkt. each, above 3 colors, 60c.

Late Single Tall Cosmos

This type of Cosmos, which has mammoth flowers, blooms late in the summer.

Pink **White** **Crimson** **Mixed**
Each, pkt. 10 cts., ¼ oz. 25 cts., oz. 75 cts.

COLLECTION: Pkt. each, above 3 colors, 25c.

Lady Lenox. 3 ft. Giant flowers of beautiful deep rosy pink.

Lady Lenox, White. White form of above.
Each, pkt. 10 cts., ¼ oz. 30 cts., oz. \$1

Late Double Tall Cosmos

This strain has been greatly improved in size of flower and general vigor.

Pink **White** **Crimson** **Mixed**
Each, pkt. 15 cts., ¼ oz. 75 cts., oz. \$2.50

COLLECTION: Pkt. each, above 3 colors, 30c.



Cuphea, Firefly

CYCLAMEN (*Giant-flowering*)

Greenhouse plants; one hardy sort. The following varieties are European-grown and were developed by one of the greatest specialists in this excellent pot-plant. Seed is usually sown in the autumn.

Dark Blood-Red **Bright Red**
Soft Rose, Carmine Eye **Pure Rose**
White, Carmine Eye **Pure White**
Bonfire. Brilliant salmon.
Salmon-Scarlet (America Improved).
New Salmon-Rose Improved.
Salmon color, dark (Glory of Wandsbek).
Salmon color, light (Rose of Zehlendorf).
Orange Beauty. Orange-vermilion. Extra.
Rokoko erecta, Mixed.
Morning Red. **Saffron-Red**.
Saffron-Red, Silver edged.
Striated, Mixed. **Lavender**.
New Ruffled, Mixed.
Pink Pearl. (Novelty.) Salmon-pink.

Pkt. of 10 seeds 50 cts., 50 seeds \$2, 100 seeds \$3.50

Mixed. All varieties. Pkt. of 10 seeds 35 cts., 50 seeds \$1.50, 100 seeds \$2.50.

CUPHEA, Firefly. *Treat as an Annual*. 1 ft. Pretty half-hardy subject for beds, baskets and window-boxes. Plants are covered with fiery cerise-red flowers which appear twelve weeks after seeding. Pkt. 15 cts., ¼ oz. 50 cts., ¼ oz. 75 cts.

Dwarf Hybrids. Various shades of rose, pink, scarlet and near purple. Pkt. 15 cts., ¼ oz. 50 cts., oz. \$1.50.

CYNOGLOSSUM amabile (Chinese Forget-me-not; Hound's-Tongue). *Annual*. A highly perfumed plant with myosotis-like blue flowers, ¼ inch long. Of easy culture, suitable for bedding and cut-flowers. 20 in.

Blue. Pkt. 10 cts., ¼ oz. 25 cts., oz. 75 cts.

Pink. Pkt. 15 cts., ¼ oz. 50 cts., oz. \$1.50.

Firmament. 1½ ft. New free-flowering type. Covered all summer with larger bright indigo-blue blooms. Pkt. 10 cts., ¼ oz. 25 cts., oz. 75 cts.

CYPRESS VINE (*Ipomœa Quamoclit*). *Annual Climber*. Covers a fence or tree stump with delicate fern-like foliage and masses of star-shaped flowers 1½ inches long. Sow outdoors in May. 15 ft.

Crimson **White** **Mixed**
Each, pkt. 10 cts., ¼ oz. 25 cts., oz. 75 cts.



Cynoglossum amabile. (See page 48)

DAHLIA

Tender Perennial; treat as an Annual. Ideal for cut-bloom and the dwarfier types make striking flower-beds. Seed is best sown in March under glass, although flowers may be obtained late by sowing outdoors in May.

Dwarf Types

Dwarf Bedding, Mixed. 2 ft. Bloom in less than four months from seed. Charming color-range, no two plants being exactly alike; most flowers are semi-double. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50, oz. \$5.

Coltness Hybrids. $1\frac{1}{2}$ ft. Neat compact plants with single flowers.

Scarlet	White	Yellow
Each, pkt. 25 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1		

Mixed. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Starfish (Orchid-flowered). 2 ft. The florets of this single Dahlia are crimped and twisted, giving a star-like effect, and its long stems make it excellent for cutting. All colors are represented in these hybrids, generally two shades in the one flower. Pkt. 35 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

Yellow Prince. A majority of the plants will be 2 feet high, the flowers double and a fine, bright yellow in color; but not quite all, for this seed is not quite fixed. Plants that do not match up may be set out elsewhere in your garden. Pkt. 50 cts., 3 pkts. \$1.25.

Miniature Types. See page 32. Pkt. 50 cts., 3 pkts. \$1.25, $\frac{1}{8}$ oz. \$2, $\frac{1}{4}$ oz. \$3.50.

Tall Dahlias

Familiar types. To be certain of definite colors it is necessary to plant roots of named varieties. See pages 83 to 86.

Cactus, Mixed. Saved from a choice collection. Pkt. \$1, 3 pkts. \$2.50.

Double-flowering Exhibition Strain, Mixed. Saved from fine Show sorts. Pkt. 50 cts., $\frac{1}{4}$ oz. \$1.25, oz. \$4.

Giant Exhibition Type. See page 32. 50 seeds \$2, 100 seeds \$3.50, 1000 seeds \$30.

DAHLBERG DAISY (*Thymophylla tenuiloba*). Annual. Yellow daisy flowers with dark centers. Thrives in dry soil. Mat-like plants for edging and window-boxes. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1.25, $\frac{1}{4}$ oz. \$2.

DATURA cornucopia (Trumpet Flower). Annual. The delightfully fragrant flowers average 8 inches long by 5 inches across and are French white inside and purple outside. Ideal for the white garden. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

DIASCIA Barberæ (Twinspur). Annual. 1 ft. Dainty, spurred flowers, $\frac{7}{8}$ inch in diameter and of a soft salmon-rose, are freely produced in sprays on wiry stems. Interesting for the front of the annual border. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

DICENTRA eximia (Fringed Bleeding-Heart). Description will be found on page 91. Pkt. 25 cts., 5 pkts. \$1.

DICTAMNUS (Dittany; Burning Bush; Gas Plant). Perennial. Beautiful plant for the hardy border, with a lemon perfume and flowers on terminal racemes which are excellent for cutting. Gas exuded from the plant will ignite for the moment if a light be held near the top during a still evening. **Fraxinella alba.** $2\frac{1}{2}$ ft. White flowers; June and July. Pkt. 15 cts., 2 pkts. 25 cts. **Fraxinella rubra.** Pink, otherwise same as above. Pkt. 15 cts., 2 pkts. 25 cts.

Like *Primula obconica*, this plant irritates the skin of persons allergic to it. Use gloves.



Delphinium, Gold Medal Hybrids

Stately Delphiniums

Exceeding 6 feet in height, these striking perennials are necessary for every hardy border, producing magnificent spikes of flowers in July and August. By cutting off the stems and leaves after blooming, they may be induced to yield a second crop of flowers in the autumn.

In sections where mildew is serious, many growers treat Delphinium as an annual by sowing seed under glass in mid-winter, planting out in spring.

GOLD MEDAL HYBRIDS

Immense spikes in a variety of colors.

Delft Blue Shades. True mid-blues, including Cambridge-blue.

Royal Art Tints. A mixture of lavenders, mauves, and blue-grays.

Salon Blue Shades. Rich dark blue shades.

Wave Crest Blue Shades. Delicate and charming mixture of pale and light blues.

Each, pkt. 50 cts., $\frac{1}{8}$ oz. \$1.50, $\frac{1}{4}$ oz. \$2.50

COLLECTION: Pkt. each, above 4 shades, \$1.50

GOLD MEDAL HYBRIDS, Mixed. This Mixture includes all the best colors. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

The Mildew-Resistant Giant Pacific Hybrid Delphiniums

Larger, finer, and resistant to mildew (except white). The 2-inch florets on large spikes make them excellent for exhibition.

Black Knight Series. Very dark blues.

Cameliard Series. Lavender selfs.

Galahad Series. White.

Above 3, pkt. \$1.50, 3 pkts. \$4

Blue Jay. Blue, gray overtone; dark bee.

Clear White. Glistening white.

Guinevere Series. Pink-lavender; white bee.

King Arthur. Royal violet; white bee.

Lancelot Series. Lilac; white bee.

Summer Skies. Light blue; white bee.

Round Table Series. Noble mixture.

Above 7, pkt. \$1, 3 pkts. \$2.50

Lavender Shades	Light Violet Shades
Lavender Pastel	Dark Violet Shades
Shades	

Above 4, pkt. 75 cts., 3 pkts. \$2

Light Blue Shades	Medium Blue Shades
Dark Blue Shades	Mixture of Blues

Above 4, pkt. 50 cts., 3 pkts. \$1.25

English Hybrids, Mixed

Giant-flowering Type. Mixture of sorts like Queen of Spangles, A. J. Moir, Miranda, Edmund Spencer, Sky Blue Knights, Daybreak, Wrexham Glory, etc. Pkt. (about 200 seeds) 50 cts., 3 pkts. \$1.25.

Wrexham or Hollyhock Type. This mixture contains the following varieties: D. B. Crane, Blue Beauty, Lady Dorothy, Wild Wales, Tessa, Star of Langport, Blue Gown, etc. Pkt. (about 200 seeds) 50 cts., 3 pkts. \$1.25.

Some Other Fine Varieties

New Hollyhock Strain. 6 ft. A fine mixture of all light shades, pale clear blue predominating. Large flowers, truly double, are well placed on long, pyramidal spikes. Pkt. 35 cts., $\frac{1}{8}$ oz. \$1.50, $\frac{1}{4}$ oz. \$2.50.

Belladonna. 5 ft. This is the Everblooming Hardy Larkspur. Clear turquoise-blue flowers, unequalled for beauty. Pkt. 15 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

Clivedon Beauty (Improved Belladonna). Bright blue; 5 ft. Larger flowers and a stronger plant are the advantages of this strain. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

Bellamosa. Blue; 5 ft. Similar to the above except in color which is a darker blue. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Cardinale. $2\frac{1}{2}$ ft. Beautiful cardinal-red. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

Chinense, Blue Butterfly. Blue; $1\frac{1}{2}$ ft. Fine feathery foliage, and many spikes of large blossoms of intense gentian-blue. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Chinense, Cambridge Blue. $2\frac{1}{2}$ ft. Clear, rich light blue. Excellent for mass planting or for cut-bloom. Pkt. 25 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

Chinense album. 3 ft. White form. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.



Dianthus, Loveliness



Dianthus, New Blue

Jewel-Like Dianthus • Pinks

Seed of annual varieties is sown in spring, and flowers follow in a few weeks' time, continuing until frost. Mostly around 1 foot high, all are splendid for beds, borders and cutting. Hardy sorts are sown in spring or summer; most will bloom the same season. Many Dianthus are delightfully fragrant.

Double Annual Pinks

- Chinensis** (China Pink). Double flowers in a mixture of colors. Pkt. 10c., $\frac{1}{4}$ oz. 25c.
Diadematus (Double Diadem Pink). Various tints of lilac, crimson, purple; outer edges fringed. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.
Fireball. Extra double; brilliant dark scarlet. Very beautiful. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.
Heddewigi fl.-pl. (Double Japan Pink). Varies from richest crimson to delicate rose. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.
Laciniatus fl.-pl. (Double Fringed Pink). Great variety of colors; edges fringed. Large. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.
Lucifer. Dazzling scarlet 2-inch fringed flowers. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.
Salmon King. Brilliant salmon-rose. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts.
Snowball. 1 foot. Large, double, white flowers. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.
Violet Queen. Rich violet—rather unusual shade. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.

Single Annual Pinks

- Crimson Belle**. 1 ft. Rich crimson. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.
Eastern Queen. Delicately marbled rose and mauve flowers. Pkt. 10 cts., $\frac{1}{4}$ oz. 25c.
Heddewigi punctatus (Princess Pink). Chintz-like flowers in mixed colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts.
Laciniatus (Single Fringed Pink). A great variety of colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.
Laciniatus splendens. Fringed crimson flowers, each with a large white eye. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.
Queen of Holland. Beautiful white. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts.
Salmon Queen. Fringed flowers of brilliant salmon. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts.
Vesuvius. Orange-scarlet flowers. Striking in beds or borders. Pkt. 10c., $\frac{1}{4}$ oz. 30c.
Mixed. Annual Sorts. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.
COLLECTION: Pkt. each, 10 choice Dianthus, 5 named Double and 5 Single sorts, \$1.

Hardy Garden Pinks

Many of these are famous introductions by Allwood Bros. of England, famed specialists.

New Blue. Considered the only blue Dianthus extant. Lavender-blue, bright and pleasing. The individual flowers are borne on 9-inch trusses from July to frost. Allwoods' sealed pkt. 50 cts.

Allwoodi Alpinus. Ideal for the rock-garden, blooming continuously; beautiful color mixture. Fragrant. Height 5 inches. Allwoods' sealed pkt. 50 cts. U.S.-grown seed, pkt. 35 cts., 3 pkts. \$1, $\frac{1}{4}$ oz. \$1.50.

Delight. 9 inches. Blooms June to October, producing flowers half an inch across. Colors range from pale pink to deepest purple including rich red. Allwoods' sealed pkt. 50 cts.

Loveliness. Two-inch, perfumed, mauve, lacerated flowers. The sweetest flower in the garden. Blooms in seven months from seed. Allwoods' sealed pkt. 50 cts.

Rainbow Loveliness. This mixture has flowers in various delicate tones other than mauve, including pink, red, lilac, cream and white. Allwoods' sealed pkt. 50 cts.

Highland Hybrids, Mixed. Ideal for rock-gardens and for the front of the hardy border. Practically perpetual flowering and the colors are very varied. Pkt. 25 cts., 5 pkts. \$1, $\frac{1}{4}$ oz. \$1.50.

Sweet Wivelsfield. Ordinarily is sown in July to flower the following year; if sown indoors during February, however, it will bloom the same year. Fringed, sweet-william-like flowers from July to frost.

Single, Mixed. U. S.-grown seed, pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25. Allwoods' sealed pkt. 50 cts.

Double, Mixed. U. S.-grown seed, pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50. Allwoods' sealed pkt. 50 cts.

Little Jock. 6 to 8 in. A mixture of pink, rose, and white shades, mostly with a deep zone. Suitable for the rock-garden or as an edging. Pkt. 50 cts., 3 pkts. \$1.25.

Hardy Garden Pinks, continued

Allwoodi. Combines the qualities of the Carnation with the delicious clove scent of the Pink. Adaptable for gardens, and pot-culture in conservatories.

Single Mixed. U. S.-grown seed, pkt. 50c., 3 pkts. \$1.25, Allwoods' sealed pkt. 50c.

Double Mixed. Allwoods' sealed pkt. 50c.

Deltoides (Maiden Pink). 6 in. Rosy purple. A matting plant which is invaluable for the rock-garden. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Plumarius, Double Mixed (Grass Pink). 1 ft. Fringed, fragrant flowers of white, crimson, or purple shades, spotted and variegated. Pkt. 15c., $\frac{1}{4}$ oz. 60c., oz. \$2.

Plumarius, Single Mixed. Large, fragrant, fringed flowers. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

Rock-Garden Rare Species, Mixed. A selection of low-growing types, suitable for the rock- or wall-garden. Pkt. 25 cts., $\frac{1}{4}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

DIANTHUS Knappi (Yellow Dianthus). 20 in. Perennial. Yellow blossoms in bunches. Pkt. 50 cts., 3 pkts. \$1.25.

DIDISCUS cærulea (Queen Anne's Lace).

Upright annual about 2 feet high. Each branch ends in an umbrella-shaped head of sky-blue flowers. Easily grown and a splendid cut-flower. Sow in May; water freely when dry. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.

DIGITALIS (Foxglove). Tall perennials with long racemes of tubular flowers. Ideal for naturalizing, amid shrubbery, along the edges of woods, etc. They grow well under all conditions, including partial shade, flowering in June and July.

Giant Shirley, Mixed. 6 ft. Huge spikes of bloom ranging in color from the purest white to dark rose, handsomely spotted.

Gloxiniæflora. 4 ft. Improved; handsome, spotted gloxinia-like flowers. We offer in four colors and mixed:

Alba. White. **Purpurea**. Purple.
Rosea. Rose. **Lutea**. Yellow.
Mixed.

Monstrosa, Mixed. 3 ft. Long spikes surmounted by one enormous flower.

All Digitalis, pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50

DIMORPHOTHECA (Cape Marigold; African Daisy). Bright annuals with daisy-like flowers which look especially well in flower-beds in full sun. 1 ft.

Orange Glory. Bright orange flowers $2\frac{1}{4}$ inches across. Prostrate plants more compact than the type. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Aurantiaca Hybrids. Flowers large, varying from white through yellow and orange to salmon, many being zoned with several of these colors around the black disc. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Ringens, Single. Grayish white flowers with a blue center. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Aurantiaca. Bright golden orange flowers. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Salmon Beauty. Large flowers of a pleasing true salmon shade. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

White Beauty. A white form of the above. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Spectabilis. This new type has single flowers 2 inches across and deep pink in color with a black center. A novel cut-flower and bedding plant. Height 14 inches. Pkt. 25 cts., $\frac{1}{4}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

Double Hybrids, Mixed. See page 32. Pkt. 50 cts., 3 pkts. \$1.25.

ZINNIAS

Crown o'Gold ~ Pastel Tints

NEW GIANT STRAIN

A mixture of colors. The flowers are large and each bloom, as in all Zinnias, is composed of a number of individual florets. In Crown o'Gold, the base of each floret, at the center of the flower, is gold, but the outer halves vary; in one flower it is pink or in another salmon, or apricot, buff, peach, white or cream.

Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2

2 Fine Annuals for Every Garden



3 New Petunias

FIRST LADY

Wonderful ☐ blush-pink blooms, on foot-high plants that are ideal for flower-beds. Silver Medal, All-America Trials for 1941. Pkt. 50 cts.

RADIANCE

Lively rich rose or cerise blooms on 18-inch plants. Excellent for flower-beds and borders. Silver Medal, All-America Trials for 1941. Pkt. 35 cts.

VIOLET GEM

Charming little plants, only 6 inches high, covered with large, 2-inch violet-blue flowers. Indispensable as an edging and for window-boxes, pots and rock-gardens. Honorable Mention, All-America Trials for 1941. Pkt. 50 cts.

Collection No. 251

One pkt. each of the three Petunias

\$1.00

ZINNIAS •

Double Dahlia-flowered

The plants attain a height of 3 feet, producing mammoth flowers averaging 6 inches across by 3 to 4 inches in depth, similar in shape to the decorative dahlia, with the same fullness of the petals.



Four Brilliant Colors

1. SCARLET FLAME
2. EXQUISITE
3. CANARY BIRD
4. CRIMSON MONARCH

Each color, pkt. 15 cts.,
1/4 oz. 60 cts., oz. \$2

Special Collection No. 56

Four packets, one each
of these colors 50 cts.

ZINNIAS are popular because they are so easy to grow and so satisfactory; in beds or mixed borders they may be had in bloom from early summer until cut down by frost, and they are splendid when used as cut-flowers for house decoration.

For earliest results, seed may be started indoors in a sunny window, and the plants put out in the garden when spring frosts are over; but they will be in plenty of time if seeds are sown in a sheltered position outdoors in early May. Leave 2 feet between Zinnias as they are robust growers.

DODECATHEON Meadia (Shooting-Star; American Cowslip). Six-inch perennial for the shaded part of your rock-garden. Small, pink, primrose-shaped flowers. Pkt. 50 cts., 3 pkts. \$1.25.

DOLICHOS (Hyacinth Bean). *Annual*. Rapid-growing climber. For seed covering arbors, trellises, etc. Sow the seed outdoors where the plants are to remain.

Daylight. White. Covered with spikes of pea-shaped blossoms from July until late fall. Pkt. 10 cts., oz. 30 cts.

Darkness. Purple. Identical with the above, except in color. Pkt. 10 cts., oz. 30c.

Lablab, Mixed. Pkt. 10 cts., oz. 30 cts.

DORONICUM (Leopard's-Bane). Useful perennials for the hardy border and valuable for cut-bloom.

Caucasicum. 2 ft. Handsome, yellow, daisy-like flowers, sometimes 2 to 3 inches across. Pkt. 35 cts., 3 pkts. \$1.

DRABA Haynoldi. Tiny yellow-flowered perennial for the rock-garden. Pkt. 50 cts., 3 pkts. \$1.25.

DRACÆNA (Cordylina). Tree-like, graceful, lance-leaved plants for greenhouse and conservatory decoration and for bedding.

Indivisa. Long, slender leaves.

Australis. Shorter leaves.

Each, pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

DRYAS octopetala. Carpeting perennial for the rock-garden or as a ground-cover. White flowers, 1 1/2 inches across. Pkt. 35 cts., 3 pkts. \$1.

ECCREMOCARPUS scaber (Glory Flower). Climbing annual with racemes of orange-red flowers. Pkt. 35 cts., 3 pkts. \$1.

ECHINOCYSTIS lobata (Wild Cucumber Vine). *Annual Climber*. For covering arbors and fences. Clean, bright green foliage with sprays of white flowers during July and August. Pkt. 10 cts., oz. 35 cts.

ECHINOPS Ritro (Globe Thistle). *Perennial*. 3 to 5 ft. Striking plants with handsome, silvery, thistle-like foliage and fine steel-blue flowers in round heads. Pkt. 10 cts., 1/4oz. 50 cts.

ECHIUM (Tower of Jewels). Little bushes, 15 inches high, have flower-stems with individual florets, from June to August. Effective bedding plants and good for bees. Sow in the open ground in spring, or earlier indoors and transplant 9 inches apart.

Blue Bedder **Roseum Pink**
Each, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50

EPILOBIUM angustifolium (Giant Willow-Herb; Fire-weed; Rose-bay). Four-foot perennial with loose racemes of pinkish purple flowers. Pkt. 25 cts., 5 pkts. \$1.

EREMURUS, Mixed (Desert-Candle; Fox-tail Lily). *Perennial*, needing winter mulch, with 4-foot cylindrical scapes of flowers. Excellent for the wild garden. Pkt. 50 cts., 3 pkts. \$1.25.

ERIGERON, Double Azure Beauty (Mid-summer Daisy). *Perennial*. Sky-blue; 2 1/2 ft. The plants are literally covered with double and semi-double flowers. Fine for cutting. Pkt. 50 cts., 3 pkts. \$1.25.

Speciosus. *Perennial*. Clear mauve; 1 1/2 ft. Daisy-like flowers, with bright golden yellow centers. Pkt. 25 cts., 1/2oz. \$1.25, 1/4oz. \$2.

ERINUS alpinus. *Perennial*. Pale purple; 6 in. Dainty little rock-garden plants, growing in the crevices of stone walls, etc. **Alpinus, Magenta**. *Perennial*. 6 in. Brilliant magenta-red flowers.

Each, pkt. 50 cts., 3 pkts. \$1.25



Dimorphotheca. (See page 50)

ERODIUM gruinum (Heron's Bill). 1 1/2 ft. Rock-garden or bedding annual with violet-blue flowers. Pkt. 35 cts., 3 pkts. \$1.

ERYNGIUM amethystinum (Sea-Holly). *Perennial*. 2 to 3 ft. Ornamental plants with finely cut, spiny foliage and beautiful, thistle-like heads of amethystine blue flowers. Fine for winter bouquets. Pkt. 15 cts., 1/4oz. \$1.

Planum. *Perennial*. 2 ft. Steel-blue flowers. Pkt. 10 cts., 1/4oz. 30 cts.

ERYSIMUM, Orange Beauty (Hedge Mustard). *Annual*. 2 ft. Orange-yellow flowers a few weeks after seed is sown. Pkt. 10 cts., oz. 35 cts.

ERYTHRINA Crista-galli (Coral Tree). 3 ft. Greenhouse ornamental plant with loose racemes of crimson pea-flowers. Pkt. 50 cts., 3 pkts. \$1.25.

EUCALYPTUS citriodora. Australian tree which grows to great proportions in its habitat. Excellent for the cool greenhouse or summer bedding. Lemon-scented leaves. Pkt. 25 cts., 5 pkts. \$1.

Globulus (Blue Gum). Pkt. 15 cts., 2 pkts. 25 cts.

EUPATORIUM (Thoroughwort; Boneset). *Perennial*. Well suited for naturalizing and deserving a place in every hardy border.

Purpureum. 6 to 8 ft. Heads of purple-blue, daisy-like flowers from August to October. Pkt. 50 cts., 1/4oz. \$2, 1/4oz. \$3.50.

Cœlestinum. Light mauve-blue flowers. Excellent border perennial. 2 1/2 ft. Pkt. 35 cts., 3 pkts. \$1, 1/4oz. \$1.50, 1/4oz. \$2.50.

EUPHORBIA (Spurge; Wolf's Milk). Plants with milky sap in the stem and leaves. Flowers are negligible, but the upper leaves, or bracts, are colored instead. Curious plants, and very showy for border planting.

Variegata (Snow-on-the-Mountain). *Annual*. 2 ft. Foliage marked with white. Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

Heterophylla (Annual Poinsettia). *Annual*. 2 1/2 ft. Resembles in color the beautiful hothouse poinsettia, though smaller. Branching, bush-like plants, with smooth, glossy green leaves which turn to a beautiful orange-scarlet. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Polychroma. *Hardy Perennial*. 1 ft. The yellow flower-leaves or bracts are most striking and are effective in April and May. Pkt. 35 cts., 3 pkts. \$1.



Eschscholtzia

ESCHSCHOLTZIA

California Poppy. Brilliant, easily grown annuals; ideal for flower-beds in full sun. Sow where you intend them to flower, and thin to 12 inches apart—don't transplant.

Golden Glory. 1 ft. Large, double orange flowers, lightening at the edges to golden yellow. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Gloaming. Inside, the petals show a suffusion of deep rose and apricot on a yellow ground, while the outside is deep coral-rose. Pkt. 25 cts., 5 pkts. \$1, 1/4oz. \$1.50.

Ramona Hybrids, Mixed. 1 ft. Ruffled flowers in a wide variety of colors. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

Sweetheart. A double type. The beautiful fluted flowers are a lively fiery rose on primrose, and are 2 inches across. Height 8 inches. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

***Carmine King**. 15 in. Carmine-rose.

Fringed Yellow. Yellow, fringed petals.

***Geisha**. 15 in. Golden orange inside, orange-scarlet outside.

***Golden West**. Bright yellow, dark orange at the base of the petals.

Lovely. A lovely tone of bright rose-pink suffused with salmon.

Purple Glow. Reddish purple. The darkest shade obtained in Eschscholtzias so far.

***Scarlet Beauty**. 10 in. Petals deep scarlet inside, lighter on outside.

Tango. Bronze overlaid with terra-cotta.

***Vesuvius**. Rich glistening coppery red.

Choice Mixture. Covering all the colors in this pretty annual.

Each, pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25, except as noted

COLLECTION: Pkt. each of varieties marked (*), with the Tulip Poppy (Hunnemannia) described on page 56 (6 varieties in all), 50 cts.

EXACUM affine atrocæruleum. 9 in. Useful annual for the conservatory or a sheltered sunny position outdoors. Numerous small, fragrant, dark lavender flowers. May be had in flower by July if sown in February. Pkt. 50 cts., 3 pkts. \$1.25.

FELICIA Bergeriana (Kingfisher Daisy; Blue Marguerite). *Annual*. 6 in. Leaves are grass-like, and the blue daisy flowers, with yellow centers, are 3/4 inch in diameter. Grown outdoors in summer or under glass at other times of the year. Pkt. 25 cts., 1/4oz. \$1.25.



Four o'Clocks

FOUR O'CLOCK, Fine Mixed (*Mirabilis*; Marvel of Peru). Annual. Bushes, 2 feet high, bearing red, yellow, or white flowers. Called Four o'Clock because the blossoms open at that hour. All colors. Pkt. 10 cts., oz. 50 cts., 1/4 lb. \$1.50.

FERN SPORES. Sow in mixed sand and peat. Keep shaded and moist, with a glass partly covering the flat. Pot off when large enough.

Hardy Sorts

Greenhouse Sorts

Each, pkt. 50 cts., 3 pkts. \$1.25

FRANCOA ramosa. 3 ft. Perennial usually grown indoors. Sprays of white blooms for cut-flowers. Pkt. 35 cts., 3 pkts. \$1.

FUCHSIAS, Mixed. Greenhouse and Summer Bedding Plant. Interesting to sow seed, if you have a greenhouse, from January to March, and plant out in May. You will have flowers by July or August. This mixture contains white, lilac, pink, light and dark blue. Pkt. 50 cts., 3 pkts. \$1.25.

GALEGA officinalis (Goat's Rue). 3 ft. Ornamental perennial with racemes of butterfly-shaped flowers.

Pink

White

Each, pkt. 35 cts., 3 pkts. \$1

GAMOLEPIS Tagetes. Foot-high annual for the rock-garden, smothered with yellow daisy flowers. Pkt. 25 cts., 5 pkts. \$1.

GAURA Lindheimeri. 3 1/2 ft. Native perennial with spikes of white blooms, valuable for cutting. Pkt. 35 cts., 3 pkts. \$1.

GAZANIA hybrida. 1 ft. Greenhouse perennial that makes a charming summer bedding plant with its daisy flowers, yellow and orange, with a black center. Pkt. 25 cts., 1/2 oz. 75 cts., 1/4 oz. \$1.25.

GENISTA, New Hybrids (Broom). Perennial. Shrub-like plant; branches are numerous, thin, rush-like and almost leafless. Butterfly-like flowers are a variety of colors—all shades of terra-cotta, crimson, orange and orange-scarlet, buff-pink and terra-cotta-pink. Patience is necessary with this seed, as germination will be slow. The plant reaches 4 to 5 feet two years after sowing. Pkt. 50 cts., 3 pkts. \$1.25.

GERANIUM (*Pelargonium*). Greenhouse and Summer Bedding Plant. Many a fine house Geranium may be obtained from seed. We offer an interesting mixture—reds, crimsons, pinks, and whites. Pkt. 25 cts., 1/2 oz. \$1, 1/4 oz. \$1.50.

GAILLARDIA • Blanket Flowers

Annual Varieties

Flowers are brilliant and daisy-like, borne in great profusion from July to November. They may be planted in beds, and as cut-flowers they are invaluable.

Aurea. 2 ft. Rich yellow. Pkt. 10 cts., 1/2 oz. 50 cts., oz. \$1.50.

Indian Chief. 2 ft. A fine bronze-red variety. Pkt. 15 cts., 1/2 oz. 75 cts., oz. \$2.50.

Picta Lorenziana. 20 in. Mixture of various colors. The flowers are double. Pkt. 10 cts., 1/2 oz. 50 cts., oz. \$1.50.

The Bride. 20 in. Yellowish white, very double and excellent for cutting. Pkt. 25 cts., 1/2 oz. \$1, oz. \$3.50.

Perennial Varieties

Most may be treated as annuals. If sown early, they begin flowering in July, and continue until frost. Fine for cutting.

Mrs. Harold Longster. 3 ft. Large golden flowers, with crimson centers. Pkt. 50 cts., 3 pkts. \$1.25.

Burgundy. A new color—brilliant coppery scarlet self—and one that is of special value to the grower of cut-flowers for decoration. Pkt. 25 cts., 1/2 oz. \$1, oz. \$3.50.

The Dazzler. Flowers very large, rich dark red, with a bright orange tip on the end of each floret. Pkt. 25 cts., 1/2 oz. \$1, oz. \$3.50.

Goblin. 15 in. Begins to bloom in the middle of the summer when color is most needed. The plants are completely covered with bright yellow flowers which have a deep red zone. Pkt. 50 cts., 3 pkts. \$1.25.

Portola Hybrids. Enormous flowers and the color-range is fairly wide, centering around reddish bronze and gold. Pkt. 15 cts., 1/2 oz. 50 cts., oz. \$1.50.

Tangerine. Medium-sized flowers of various shades of tangerine-orange. Both color and structure of the flower make it useful for modern decorations. Pkt. 25 cts., 1/2 oz. \$1, oz. \$3.50.

Perennial Grandiflora Types

Chloe. 1 1/2 ft. Indian-yellow. Splendid European sort; highly recommended. Pkt. 25 cts., 1/2 oz. \$1, oz. \$3.50.

Copper-Red. Center rich crimson, canary-yellow border, the effect being that of coppery red. Pkt. 15 cts., 2 pkts. 25 cts., 1/2 oz. 75 cts.

Mr. Sherbrook. A grand variety with large round flowers of purest yellow, produced on long, strong stems. 2 ft. Pkt. 15 cts., 1/2 oz. 50 cts., oz. \$1.50.

Giant Hybrids. Many flowers as large as sunflowers. Pkt. 25 cts., 1/2 oz. \$1, oz. \$3.50.

BLUE GENTIANAS (*Gentiana*). Perennial, flowering from July to September. Excellent also as pot-plants, especially *Hascombensis*. Outdoors they do best in semi-shade with plenty of moisture during summer. Sow under glass in late winter and transplant outdoors in spring, or sow in the open ground during spring or summer. Plants resulting from the earliest seeding may be expected to flower the first season.

Hascombensis. Blue; 2 ft. Flowers of this lovely new variety are about 1 1/2 inches across and are of various shades of blue. Pkt. 35 cts., 3 pkts. \$1.

Acaulis. Blue; 4 in. Desirable hardy alpine plant. Pkt. 25 cts., 5 pkts. \$1.

GERBERA, Jamesoni Hybrids (Transvaal Daisy). Half-hardy Perennial. Daisy-like plants, slender and graceful. Well-known greenhouse subjects, but may be grown in the open ground also if well mulched over winter. Mixture embraces many pastel shades of red, cerise, salmon, orange, yellow and white. Pkt. 50 cts., 3 pkts. \$1.25.

GEUM (*Avens*). Hardy Perennials, especially valuable for cut-flowers.

Borisi. Orange-red; 1 1/2 ft. Flowers produced almost continuously, commencing in July. Pkt. 35 cts., 3 pkts. \$1.

Double Orange Queen. Orange; 1 1/2 ft. Color is midway between orange-scarlet and gold.

Fire Opal. Semi-double; orange-scarlet.

Prince of Orange. Semi-double; true orange.

Above 3, pkt. 25 cts., 1/2 oz. \$1.25, 1/4 oz. \$2

Lady Stratheden. Yellow; 1 1/2 ft. Large; double; rich golden yellow. Pkt. 25 cts., 1/2 oz. 75 cts., 1/4 oz. \$1.25.

Mrs. Bradshaw. Scarlet; 1 1/2 ft. Large; double; brilliant orange-scarlet. Pkt. 15 cts., 1/2 oz. 60 cts., 1/4 oz. \$1.

GILIA. Annual. 2 ft. Fine feathery foliage and globular heads of bloom about 1 inch across. The flowers last well when cut.

Capitata. Blue.

Micrantha, Fairy Star. Mixed pastel shades.

Each, pkt. 10 cts., 1/2 oz. 35 cts., oz. \$1.25

GILLENIA trifoliata (Indian Physic). 2 1/2 ft. Native perennial for the wild garden, with panicles of white flowers. Pkt. 50 cts., 3 pkts. \$1.25.

GLOBE AMARANTH (*Gompbrena*). 1 1/2 ft. Annual; Everlasting. Good bedding plant. Brightly colored flowers resemble clover-heads and can be dried for winter.

Orange **White** **Mixed**

Each, pkt. 10 cts., 1/2 oz. 25 cts., oz. 75 cts.

GLOBULARIA trichosantha (Globe Daisy). Ten-inch rock-garden perennial; dark blue globular flowers. Pkt. 35 cts.

GLOXINIA, S. & W. Co.'s Large-flowered. Greenhouse Plant. About 9 in. These have been so well fixed that 40 per cent of the seedlings come true. The ground-color of the large, erect, and widely opened flowers is a velvety purple-crimson, with a rosy white throat. On the corolla appear bands, spots, and stripes of a violet hue. Pkt. 75 cts., 3 pkts. \$2.



Gaillardia, Annual

GNAPHALIUM Leontopodium (Edelweiss). *Perennial; Everlasting.* White woolly foliage. Sow early; keep cool and moist. Pkt. 50 cts., 3 pkts. \$1.25.

GODETIA. *Annual.* Showy flowers in leafy racemes; splendid for bedding; also as a pot-plant for winter decoration.

Orange Glory. *Cerise; 1 ft.* The flower is a fiery orange-cerise, and a mass planting of it will produce a more brilliant effect than can be obtained by almost any other annual. Pkt. 35 cts., 3 pkts. \$1.

Purity. *White; 2 ft.* An upright, single, white sort. The extra-large flowers are beautifully frilled, making it a handsome garden subject, as well as an excellent cut-flower. Pkt. 25 cts., 5 pkts. \$1, 1/4oz. \$1.50.

Kelveden Glory. *Salmon; 1 1/2 ft.* The color is deep glowing salmon-orange. Pkt. 25 cts., 1/4oz. 75 cts., oz. \$2.50.

Wild Rose. *Pink; 1 ft.* Pale pastel shade of rose, with a touch of carmine. So free flowering that the foliage is entirely hidden. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Sybil Sherwood. *Salmon-pink; 1 1/2 ft.* Remarkably free flowering, it is good as a pot-plant, for bedding, and for cut-bloom. Award of Merit, R. H. S., England. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Azalea-flowered (Carminea). *Pink; 15 in.* Double flowers, marked darker. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.

Tall Double, Mixed. *Average height 2 feet.* Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

GOLDEN NUGGETS (*Eriophyllum caespitosum*). *1 ft.* Gray-green perennial with yellow flowers. Pkt. 50 cts., 3 pkts. \$1.25.

CURIOUS GOURDS. *Annual Climbers.* Rapid-growing and suitable for sowing around arbors, trellises, fencing, etc. Fruits are strangely shaped and quaintly marked and colored. The foliage is often curious. Grown for ornament, though one sort—the Malabar Melon—is edible.

LARGE FRUITS

Calabash Pipe
Caveman's Club
Dipper
Dish-Cloth (Luffa)
Giant Bottle
Giant Club (5 to 6 feet long)
Hercules' Club
Malabar Melon. Edible.

SMALL FRUITS

Apple
Miniature Bottle
White Egg
Orange
Pear (two colored)
Pear (striped)
Spoon
Turk's Turban

Mixed Gourds. All sorts.

Each, pkt. 10 cts., oz. 35 cts.

COLLECTION: Pkt. each, above 16 Ornamental Gourds, \$1.25



Double Godetia

GREVILLEA robusta (Silk Oak). *Greenhouse Plant.* Graceful foliage plant, growing 3 to 5 feet high. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

GYSOPHILA (Baby's Breath). *Annuals and Perennials.* Misty white panicles largely used for mixing with other cut-flowers.

Elegans grandiflora alba. *Annual.* White; 1 1/2 ft. Improved, large-flowering, pure white form of Baby's Breath. Pkt. 10 cts., oz. 50 cts., 1/4lb. \$1.75.

Elegans grandiflora rosea. *Annual.* Pink; 1 1/2 ft. Delicate rose form of above. Pkt. 15 cts., oz. 75 cts.

Muralis. *Pink; 10 in.* An annual sort which forms mounds of green, studded with little flowers from early in the season till frost. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

Paniculata. *White; 3 1/2 ft.* Hardy perennial sort that blooms first year if sown early. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Paniculata fl.-pl. (Double Baby's Breath). *Perennial.* White; 3 ft. Fine for cutting. Pkt. 25 cts., 1/8oz. \$1.

Pacifica. *Perennial.* Pink; 4 ft. Large flowers. Blooms after Paniculata sorts have passed. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.

Acutifolia. *Hardy Perennial.* Lilac-pink; 4 ft. Large panicles of small flowers in July. Pkt. 15 cts., 1/4oz. 60 cts.

Repens. *White; 6 in.* A dwarf, hardy perennial that is fine for rockwork. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

Repens rosea. *Pink.* Pkt. 25 cts., 1/4oz. \$1.

HELENIUM (Sneezewort). *Perennial.* Blooms very freely in late summer. Useful in the hardy border.

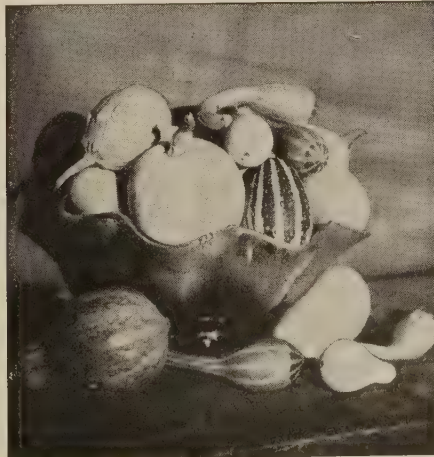
Autumnale superbum. *4 ft.* Golden yellow. Pkt. 25 cts., 5 pkts. \$1.

Bigelowi. *2 1/4 ft.* Light yellow. Pkt. 15 cts., 1/4oz. 75 cts.

Riverton Gem. *2 ft.* Wallflower-red. Pkt. 25 cts., 1/4oz. \$1.

HELIOPSIS scabra zinniaeflora (Hardy Zinnia). *Perennial.* 3 ft. Yellow flowers from June to September. Pkt. 15 cts., 1/4oz. 60 cts.

Pitcheriana (Orange Sunflower). *Perennial.* Yellow; 4 ft. Flowers cup-shaped, about 2 inches in diameter. Excellent for cutting. Pkt. 10 cts., 1/4oz. 50 cts.



Gourds



Helichrysum

HELICHRYSUM (Straw Flower). *Annual; Everlasting.* 2 1/2 ft. Best and most popular of winter-decoration flowers. While growing, the bright-colored chaffy blooms make a fine display in beds or borders. Allow 2 feet between plants. Double bright-colored flowers.

Rose Queen
Golden Ball
Snowball
Fireball

Salmon Queen
Violet Queen
Mixed

Each, pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25

COLLECTION: Pkt. each, above 6 colors, 50c.

HELIOPHILA leptophylla. *Annual.* 1 1/2 ft. For growing in pots and for summer bedding. Flowers clear bright blue with white centers. Pkt. 25 cts., 5 pkts. \$1.

Lineariflora. *Racemes of cornflower-blue flowers.* Height 3 ft. Pkt. 25 cts., 5 pkts. \$1, 1/4oz. \$1.50.

FRAGRANT HELIOTROPE. *Perfumed Greenhouse or Bedding Plant.* Splendid outdoors or it can be trained as a greenhouse climber. Seed started indoors in spring will make fine plants for summer blooming. Can be sown outdoors in May. About 2 ft.

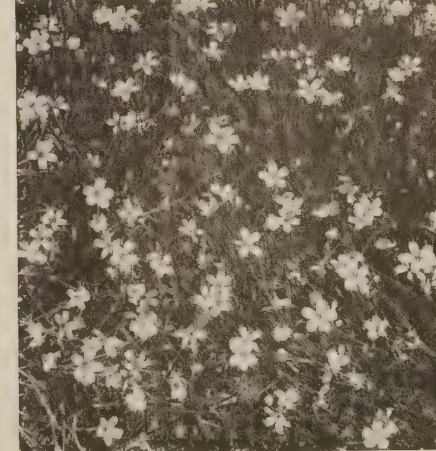
Lemoine's Giant, Mixed. *Flower-heads double the size of the old sorts.*

Queen Marguerite. *Large; dark blue.*

White Lady. *Largest white.*

Mixed. *Purple, violet, lilac, and white.*

Above four, pkt. 15 cts., 1/4oz. \$1, oz. \$3.50



Annual Gypsophila

HELIANTHUS • Sunflower

Daisy-like blooms, the single types mostly with a large brown center disc; prized for cutting. Tall sorts used in the mixed border.

The following, except the last variety, are annuals. Sown in a sunny location in May, they bloom early and flower until frost.

Cut-and-Come-Again, Mixed. 5 ft. A mixture of the tall-growing, large-flowering types for cutting. Pkt. 10 cts., 1/4oz. 30 cts.

Cucumerifolius (Miniature Sunflower). 5 ft. Small, single, rich yellow flowers. An abundant bloomer. Pkt. 10 cts., 1/4oz. 30c.

Cucumerifolius, Stella. 5 ft. Larger. Golden yellow flowers with black centers. Pkt. 10 cts., 1/4oz. 30 cts.

Cucumerifolius, Orion. 5 ft. A fine variety with petals twisted like a cactus dahlia. Pkt. 10 cts., 1/4oz. 30 cts.

Cucumerifolius, Perkeo. 2 ft. A charming dwarf variety. The plants form compact bushes. Pkt. 10 cts., 1/4oz. 35 cts.

Cucumerifolius fl.-pl. 5 ft. Double form of the Miniature Sunflower. Bright golden yellow. Pkt. 10 cts., 1/4oz. 35 cts.

Dwarf Maroon Prince. 3 ft. The best red Sunflower. A dwarf type. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

Tall Red, Gaillardia-flowered. 6 ft. Mixture producing red or yellow-and-red flowers, mostly single, some semi-double. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Dwarf Double (Globe of Gold). 4 ft. Dwarf; double; yellow. Pkt. 10c., 1/4oz. 30c.

Tall Double Chrysanthemum-flowered. 8 ft. Flowers large, double, rich saffron. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Gigantic Russian. 9 ft. Large old-time Sunflowers. Oz. 10 cts., 1/4lb. 25 cts., 1/2lb. 40 cts., lb. 75 cts.

Sun God. See page 32. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Perennial Sunflowers, Mixed. The best varieties carefully selected. Pkt. 25 cts.

HELIPTERUM Sanfordi. Foot-high annual with everlasting flowers having yellow centers, surrounded by yellowish green bracts. Pkt. 35 cts., 3 pkts. \$1.

HELLEBORUS hybridus (Christmas Rose). Perennial 18 inches high for moist, shaded places, blooming at the end of winter. Greenish flowers, tinted white and other light colors. Seeds slow to germinate. Pkt. 50 cts., 3 pkts. \$1.25.

HELONIAS bullata (Swamp-Pink). Nine-inch perennial for a shaded rock- or bog-garden; good pot-plant also. Two-foot racemes of pink flowers. Pkt. 50 cts., 3 pkts. \$1.25.

HERACLEUM giganteum. Perennial. White; 6 ft. A giant plant, useful for the wild garden, for large open spaces, or on lawns where a bold and striking object is desired. Pkt. 10 cts., 1/4oz. 25 cts., oz. 75c.

HESPERIS matronalis (Sweet Rocket). Perennial. The plants form large clumps 2 to 3 feet high, covered with showy spikes of red flowers resembling stocks. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

INTERESTING NOTE!

We heard, on a London broadcast this morning, that to conserve paper in Britain, the use of wrapping paper is to be curtailed there, and advertising literature and catalogues may not be printed, BUT SEED CATALOGUES ARE EXEMPT FROM THIS RULING!

Seed Catalogues
Are Valuable November 12, 1941.



These Double Mixed Hollyhocks are taller than their fair admirer

HOLLYHOCK

Perennial. One of the most popular of hardy garden plants. The beautiful color effects produced by the planting of these flowers, combined with their dignified and stately appearance, render them indispensable for either the old-fashioned garden or the well-planned herbaceous border. As the plants are affected with rust occasionally, we recommend spraying with an approved fungicide. 6 to 9 ft.

Double Orange Prince. The flowers are large and of a brilliant apricot-orange hue. Gives a beautiful effect in a planting. Pkt. 25 cts., 1/4oz. \$1, 1/4oz. \$1.50, oz. \$5.

Double Exquisite. Large blooms are beautifully fringed and frilled or deeply dentate, and their colors are charming. **Mixed.** A fine selection of colors. Pkt. 25 cts., 1/4oz. \$1, 1/4oz. \$1.50, oz. \$5.

Haile Selassie. The large semi-double flowers are so deep a maroon that they seem to be black, and their color is sharply accented by the yellow stamens, producing a fascinating combination of black and gold. Pkt. 35 cts., 3 pkts. \$1.

Chater's Superb Double

Chamois	Salmon-Rose
Deep Rose	Scarlet
Maroon	Sulphur-Yellow
Newport Pink	Superb Mixed
Pure White	

Each, pkt. 15 cts., 2 pkts. 25 cts., 1/4oz. 60 cts., oz. \$2

S. & W. Co.'s Double Mixed. An excellent strain. Selected with great care from the strongest plants and brightest colors. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

S. & W. Co.'s Superb Single

Mauve	Scarlet	Yellow
Pink	White	Mixed

Each, pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25

Annual Hollyhock, Indian Spring. Produces a main flower-spike twenty weeks after sowing. It has semi-double and double fringed flowers in several beautiful shades of pink. Grows 4 to 5 feet the first season. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

HEUCHERA • Alum Root; Coral Bell

Perennial. Bushy plants of easy culture, growing 1 1/2 to 2 feet high, and bearing graceful spikes of flowers. Excellent for the border or rock-garden. July, Aug.

Sanguinea. Coral-red.

Sanguinea alba. White.

Sanguinea gracillima rosea. Carmine rose.

Each, pkt. 25 cts., 5 pkts. \$1, 1/4oz. \$2, 1/4oz. \$3.50

HIERACIUM villosum (Shaggy Hawkweed). Rock-garden perennial, 18 inches tall, with bright yellow double-daisy flowers and silvery leaves. Pkt. 25 cts., 5 pkts. \$1.

HIBISCUS (Marshmallow). **Annuals and Perennials.** Showy, ornamental plants for beds or borders. Will bloom first year.

Trionum. Annual. 2 ft. The 4-inch trumpet-shaped blossoms are whitish with a suffusion of violet. Flowers in fifteen weeks. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Golden Bowl. Perennial. 2 ft. Giant yellow, cup-like flowers with velvety maroon centers, from 6 to 9 inches in diameter. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Giant-flowering Type. Perennial. 5 ft. Flowers are 6 inches in diameter, trumpet-shaped, with dark centers. We offer:

Red	Pink
White, with Crimson Eye	Mixed

Each, pkt. 10 cts., 1/4oz. 30 cts., oz. \$1

HONESTY (Moonwort). **Biennial.** Everlasting. 2 ft. Purple flowers followed by silvery seed-pouches, which are used for house ornament. Sow seed in open in May and protect over winter—approximately the same culture as the English wallflower. Pkt. 15 cts., 1/4oz. 60 cts.

HOUSTONIA cœrulea (Bluets). **Perennial.** 6 in. Native plant for the rock-garden, with violet, blue, or white flowers, each with yellow eye. Pkt. 25 cts., 5 pkts. \$1.

HUMULUS (Japan Hop). **Annual Climber.** Grows 20 to 30 feet in four months. Its luxuriant foliage makes it one of the best plants for covering verandas, trellises, etc. **Japonicus.** Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

Variegatus. Variegated variety. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.

HUNNEMANNIA (Tulip Poppy; Santa Barbara Poppy). **Annual.** Sow in the open ground around May 1 in the New York area, or earlier under glass in pots or on upturned turves, transplanting these when danger of frost is over. A sunny position in a well-drained border suits these highly decorative subjects.

Fumariæfolia. Large, buttercup-yellow, poppy-like blossoms. The plants grow about 2 feet high, are quite bushy, with beautiful, feathery, glaucous foliage. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Sunlite. 2 ft. A semi-double form that develops a band of short petals on the outside of the tulip-shaped cup, giving it the appearance of an open flower at all times. The color is a clear canary-yellow. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

HYPERICUM polyphyllum (St. John's-Wort). **Perennial.** 4 in. Large, golden yellow flowers and almost evergreen foliage. A valuable plant for the rock-garden. Pkt. 25 cts.

Tomentosum. Perennial. 2 ft. Loose bouquets of golden star-like blooms. Pkt. 50 cts., 3 pkts. \$1.25.

Kill Thousands of Japanese Beetles

and warn many more away from your plants, with the new **BEETLE DUST**, 75 cts. per can. Use it either as a dust or spray.

IMPATIENS (Touch-me-Not; Snapweed). *Greenhouse and Summer Bedding Plants.* Desirable pot-plants for the greenhouse, also valuable for planting out in partial shade. Profuse and continuous bloomers; semi-succulent; sensitive to frost.

Sultani. 1½ ft. Flowers are brilliant carmine, 1½ inches in diameter.

Holsti Hybrids, Mixed. 1½ ft. Orange, scarlet, red, pink, and white flowers that are very decorative and measure 1¼ to 1½ inches across.

Each, pkt. 25 cts., 5 pkts. \$1

INCARVILLEA Delavayi. *Perennial.* 2½ ft. Striking plant with large leaves. The flowers, on long stems, are bright rose, tube-shaped, and appear almost like gloxinias. June to Aug.

Variabilis Hybrids. *Perennial.* The tube-shaped flowers are white and various shades of pink and yellow.

Each, pkt. 25 cts., 5 pkts. \$1

IRISH BELLFLOWER. *Annual.* 2 ft. Numerous bell-shaped green and white flowers partly hide the foliage. Pkt. 25 cts., 5 pkts. \$1, ½ oz. \$1.50.

JACARANDA mimosifolia. *Greenhouse Plant.* Fern-like leaves and blue flowers in panicles. Pkt. 35 cts., 3 pkts. \$1.

KALANCHOE coccinea. *Succulent plant with scarlet flowers.* Sown in February or March, grown in the open during summer, and brought inside, it blooms a year after sowing. This is a popular plant with the commercial florist. Pkt. 35 cts., 3 pkts. \$1.

KALE, Decorative. Edible vegetable with densely curled leaves. Some plants are yellow, others golden, purple and red. Pkt. 15 cts., 2 pkts. 25 cts., ¼ oz. 50 cts.

KOCHIA trichophylla (Summer Cypress; Mexican Firebush). *Annual.* 2½ ft. Pyramidal bush with feathery, light green foliage, deepening as the season advances to a crimson hue about September. Pkt. 10 cts., ¼ oz. 25 cts., oz. 75 cts.

LALLEMANTIA canescens. *Biennial.* 1 ft. For the rock-garden or flower-beds. Covered with small tubular blue flowers. Pkt. 35 cts., 3 pkts. \$1.

LANTANA, Mixed. *Greenhouse and Summer Bedding Plant.* The flowers are borne in verbena-like heads of orange, white, rose, etc. The colors change as the flower ages. Pkt. 25 cts., ¼ oz. \$1, oz. \$3.50.

LASTHENIA californica. *Annual.* 1½ ft. Long-stemmed heads of small, yellow, daisy-like flowers. Pkt. 25 cts., 5 pkts. \$1.



Hibiscus

IPOMOEAS

Morning-Glories; Convolvulus

Annual Climbers. For covering walls, trellises, arbors, or stumps of trees.

Mixed Imperial Japanese (Emperor Morning-Glory). May be sown in the open ground in a sunny situation when the weather has become warm. Flowers are of gigantic size and their colorings beyond description. Pkt. 10c., oz. 35c., ¼ lb. \$1.25.

Red, White and Blue, Mixed. Including also intermediate colors. Brilliant and striking. Pkt. 20 cts., ½ oz. 60 cts., oz. \$1.

Tall or Climbing Convolvulus, Mixed. Pkt. 10 cts., oz. 30 cts.

Dwarf Bedding Convolvulus, Mixed. Pkt. 10 cts., oz. 30 cts.

Rose Marie. Rose-pink, double and semi-double flowers. Pkt. 10 cts., ½ oz. 30 cts., oz. 50 cts.

Bona-nox (Evening-Glory). Rosy lilac flowers, expanding in the evening. Very rapid grower. Pkt. 10 cts., oz. 30 cts.

Hederacea grandiflora. Sky-blue flowers, margined white. Pkt. 10 cts., oz. 50 cts.

Leari. Dark blue. Pkt. 25 cts., 5 pkts. \$1.

Mexicana alba (Moonflower). At night and during dull days the plants are covered with an abundance of large, pure white flowers having a delicate fragrance. Pkt. 10 cts., oz. 35 cts.

Following shown in color on page 33:

Heavenly Blue **Scarlett O'Hara**
Each, pkt. 20 cts., ½ oz. 60 cts., oz. \$1, ¼ lb. \$3.50

Pearly Gates. Pkt. 25 cts., ½ oz. \$2, oz. \$3.50.

Setosa (Brazilian Morning-Glory). Flowers of pleasing rose-color, borne very freely in large clusters from August to frost. Pkt. 15 cts., oz. 75 cts.

Royal Ensign. See page 32. Pkt. 25 cts., 5 pkts. \$1, ½ oz. \$2, oz. \$3.50.

LATHYRUS (Everlasting or Hardy Sweet Pea). *Perennial Climber.* 6 to 8 ft. The flowers are borne in large clusters. Climbs over rocks, fences, and bushes. Splendid cut-flower.

White **Pink Beauty** **Red** **Mixed**
Each, pkt. 10 cts., ½ oz. 30 cts., oz. 50 cts.

LAVATERA splendens rosea (Mallow). *Annual.* 2 ft. Beautiful and showy plant, covered with large, cup-shaped, pink flowers.

Splendens alba. White form of the above.
Each, pkt. 10 cts., ¼ oz. 50 cts., oz. \$1.50

LAVENDER, Munstead Strain. *Perennial.* 2 ft. The best type of this well-known fragrant plant. Pkt. 25 cts., ½ oz. 75 cts., ¼ oz. \$1.25.

LAYIA elegans (Tidy Tips). *Annual.* 1 ft. Large, yellow, daisy-like flowers, bordered cream. Pkt. 15 cts., ¼ oz. 75 cts.

LEPTOSYNE. *Annual.* Sow in the open and allow the plants to stand 1 foot apart; or sow earlier under glass and transplant.

Golden Rosette. 1½ ft. Double, daisy-like blooms are bright yellow. Pkt. 15 cts., ½ oz. 60 cts., ¼ oz. \$1.

Maritima. 1½ ft. Large, yellow flowers. Pkt. 15 cts., ¼ oz. 50 cts.

Stillmani. 1 ft. Golden yellow flowers. Splendid cut-flower. Blooms in six weeks. Pkt. 15 cts., ¼ oz. 50 cts.



Ipomoea, Rose Marie

LEPTOSIPHON aureus. *Annual.* 1 ft. Bears leafy clusters of yellow flowers. Pkt. 25 cts., 5 pkts. \$1.

LEUCOCORYNE ixioideis (Glory of the Sun). 1½ ft. Greenhouse bulbous plant with large, fragrant, blue flowers with white centers. Good cut-bloom. Pkt. 50 cts., 3 pkts. \$1.25.

LEWISIA Howelli. *Perennial.* Forms a mat 3 inches high, and throws up stems 6 inches long, crowned with flowers of apricot streaked with rose. For a sunny rock-garden. Pkt. 35 cts., 3 pkts. \$1.

LIATRIS pycnostachya (Blazing Star; Gayfeather). *Perennial.* 3 to 4 ft. Purple and rosy purple flowers are borne on long spikes. July-Sept. Pkt. 25 cts., ¼ oz. \$1.
Scariosa alba. 3 ft. Stout racemes of pure white flowers. Imposing in the border. Pkt. 50 cts., 3 pkts. \$1.25, ½ oz. \$2.

LILIES from seed. Most Lilies will produce flowers the second year from seed; treat them like other hardy perennials.

Candidum. Salonika variety.

Dalmaticum Hybrids.

Longiflorum (Easter Lily).

Martagon Hybrids (Turk's-Cap Lily).

Tenuifolium (Coral Lily).

Each, pkt. 50 cts., 3 pkts. \$1.25

Henryi (Yellow Speciosum).

Philippinense formosanum (Hardy Easter Lily). Blooms in July.

Above two, pkt. 25 cts., ¼ oz. \$1, ¼ oz. \$1.50

Regale (The Royal Lily). Pkt. 10 cts., ¼ oz. 35 cts., oz. \$1.25.

LIMNANTHES Douglasi (Meadow-Foam). *Annual.* 1 ft. The fragrant white flowers are 1 inch across and are produced in early summer. Pkt. 25 cts., 5 pkts. \$1.

LISIANTHUS Russellianus. *Greenhouse Plant.* 20 in. Large deep purple flowers. Pkt. 50 cts., 3 pkts. \$1.25.

Are you interested in creating attractive flower arrangements? Flower holders to help with this are shown on page 137.

BRILLIANT LARKSPURS

Annuals with sprays of spurred flowers. Seeds sown in the open in April will produce flowering plants by July. Sowing in September, and again in November, is also advised. They make handsome beds and are very effective among shrubs.

Giant Imperial Sorts

Plants of giant proportions with the habit of the Delphinium. Height up to 5 ft.

Rosalind. Pink with a salmon suffusion; plant groups of five or more in the middle distance of your annual border.

Montrose. Clear rose-pink, exceptionally large.

White King. The finest white variety.

Carmine King. Fine deep carmine-rose.

Coral King. Blush-pink, suffused with coral. The large double florets are borne on 2 to 2½-foot stems.

***Dazzler.** Vivid, lustrous carmine in color, and in bloom ten days earlier than most.

***Exquisite Pink Improved.** The shade of pink meets exactly the florists' needs.

Gloria. A rich tone of deep rose, with no trace of carmine.

Lilac Queen. Color is a rich lilac, shading to lavender-blue. Popular for home decoration and essential for the florist.

Peach Blossom. Light pink with salmon trace.

***Sweet Lavender.** Good rich lavender-blue.

***White Spire.** A new, dazzling, pure white, double Larkspur.

***Blue Spire.** Similar to above, except color is deep Oxford blue.

Lilac Spire. Beautiful shade of lilac so popular in Larkspurs.

Mixed Giant Imperial Larkspurs.

Each, pkt. 15 cts., ¼oz. 60 cts., oz. \$2
COLLECTION: 5 varieties marked (*), 60 cts.

Following described on page 32:

Pink King. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

Lilac King. Pkt. 25 cts., ¼oz. \$1, oz. \$3.50.

Tall, Stock-flowered, Mixed. Pkt. 10 cts., ¼oz. 30 cts., oz. \$1.

S. & W. Co.'s Emperor

This dwarf stock-flowered type of Annual Larkspur is of candelabra habit. 2 ft.

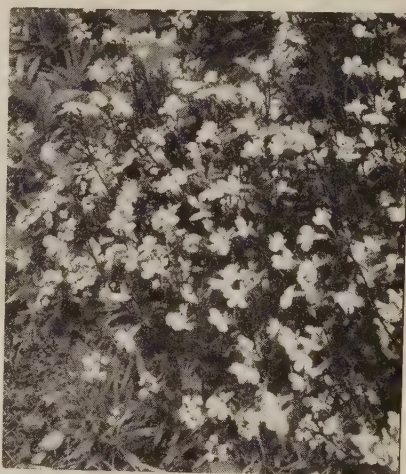
Azure-Blue	Pink Delight (Soft rose)
Brilliant Carmine	Violet
Enchantress (Pink)	White (Pure)
Mixed	

Each, pkt. 10 cts., ¼oz. 30 cts., oz. \$1

COLLECTION: Pkt. each, above 5 colors, 50c.

LINARIA maroccana, Fairy Bouquet Mixture. Annual. The very compact plants bear large flowers, in rose, yellow, pink, lavender, carmine, red, violet, white, and salmon. Excellent for bedding or for pots. Pkt. 15 cts., ¼oz. \$1, oz. \$3.50.

Cymbalaria (Kenilworth Ivy; Mother of Thousands). Perennial Climber. Lavender and purple. A charming, hardy trailer plant, suitable for pots or rockeries. Pkt. 25 cts., 5 pkts. \$1.



Annual Bedding Lobelia

CHEERFUL LOBELIAS

Sow in spring, and thin or plant 5 inches apart. The annual varieties are useful for edging or carpet bedding; trailing sorts are good conservatory subjects.

ANNUAL BEDDING VARIETIES

Cambridge Blue. A light, bright blue type. Pkt. 25 cts., 5 pkts. \$1.

Crystal Palace Compacta. Deep blue. Dark foliage. Pkt. 15 cts., ¼oz. 60 cts., ¼oz. \$1.

Emperor William. Compact; sky-blue flowers. Pkt. 15 cts., ¼oz. 60 cts., ¼oz. \$1.

Mrs. Clibran Improved. Large, deep blue, white-eyed flowers. Compact plant. Pkt. 35 cts., 3 pkts. \$1.

ANNUAL TRAILING VARIETIES

Pendula, Sapphire. Deep blue with white eye. Pkt. 35 cts., ¼oz. 75 cts.

Speciosa. Deep blue. Dark foliage. Pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50.

PERENNIAL RED SORTS

Cardinalis (Cardinal Flower). 3 ft. Scarlet. Green foliage. Pkt. 35 cts., 3 pkts. \$1.

Queen Victoria. 1½ ft. Scarlet. Bronze foliage. Pkt. 50 cts., 3 pkts. \$1.25.

LINUM grandiflorum rubrum. Annual. 1 ft. Showy bedding plants having brilliant scarlet flowers. Pkt. 10 cts., ¼oz. 25 cts.
Perenne (Flax). Perennial. 1½ ft. Bright blue. Pkt. 15 cts., ¼oz. 35 cts., oz. \$1.25.
Perenne album. Perennial. 1 ft. White. Pkt. 15 cts., ¼oz. 35 cts., oz. \$1.25.

Flavum. Perennial. 6 in. Yellow. Dwarf, compact type, especially valuable for the rock-garden. Pkt. 50 cts., 3 pkts. \$1.25.

Heavenly Blue. Perennial. 15 in. New variety with glowing ultramarine-blue flowers from June to August. Pkt. 50 cts., 3 pkts. \$1.25.

LITHOSPERMUM purpurea coeruleum. Trailing Evergreen Perennial. For the rock-garden. Deep blue flowers, striped purple. Pkt. 50 cts., 3 pkts. \$1.25.

LYTHRUM salicaria roseum superbum (Loosestrife). Perennial. 3 ft. Rose-colored flowers. July-Sept. Pkt. 15 cts., 2 pkts. 25 cts.

LUPINUS • Lupine

Of easy culture and should be more generally grown. The annuals may be sown in the open in May; thin to 1 foot.

ANNUAL KING LUPINES

Plants grow 3 feet high and are base-branching, with six to eight huge spikes to a plant. For cut-flowers and forcing.

King Blue. Rich dark blue, with a pure white stripe in the standard of each flower.

King Light Blue. Large, fine sky-blue flowers.

King Heliotrope. Pretty flowers, striking in size, rosy purple, white stripe.

King White. Enormous, glistening pure white flowers.

Each, pkt. 15 cts., ¼oz. 60 cts., oz. \$1

King Mixed. Contains the above colors and in addition sky-blue, heliotrope, and mid-blue. Pkt. 10 cts., ¼oz. 40 cts., oz. 75 cts.

Attraction. Beautiful rose-pink standards, shaded gold. Pkt. 10 cts., ¼oz. 40 cts., oz. 75 cts.

Yellow Fragrant. Very sweet-scented. Pkt. 10 cts., ¼oz. 25 cts., oz. 40 cts.

Perennial Polyphyllus Lupines

Sow during summer to bloom from June to September of the following year, preferably where they are to flower, as they do not transplant well. Partly shaded, rich soil, free from lime, is advised.

We offer exclusively a 5-foot-high strain of exceptional merit, and one which includes many new and bright colors. The plants are robust and decidedly larger than the type.

Pink Shades	White	Blue Shades
Red Shades		Mixed Hybrids

Each, pkt. 25 cts., ¼oz. \$1, oz. \$3.50

Golden Spire. The tall, stately spikes of rich golden yellow flowers make this subject a fitting companion to the blue types. Pkt. 25 cts., ¼oz. \$1, oz. \$3.50.

Downer's Hybrids. A special strain of early Lupines. Flowers are large, with an exceptionally fine color-range. **Mixed.** Pkt. 25 cts., ¼oz. \$1, oz. \$3.50.

Russell Lupins. Reselected Strain. Colors and combinations of color that have never before been seen; the size of the florets, their number on a spike, and the length of the spike are altogether sensational. Varies in height from 15 inches to 5 feet, but averaging 3½ feet. **Reselected strain.** Pkt. 25 cts., ¼oz. \$1, oz. \$3.50.

LYCHNIS (Catchfly; Campion). Perennial. Easily grown plants for massing in beds or borders, blooming first year from seed.

Alpina. 6 in. Splendid dwarf variety for rock-gardens. Rose-colored blooms in June. Pkt. 25 cts., 5 pkts. \$1.

Chalcedonica. Scarlet; 2 ft. Pkt. 10 cts., ¼oz. 35 cts., oz. \$1.25.

Chalcedonica, Salmon Queen. Salmon; 2 ft. Pkt. 15 cts., ¼oz. 60 cts., ¼oz. \$1.

Chalcedonica alba. White; 2 ft. Pkt. 10 cts., ¼oz. 35 cts., oz. \$1.25.

Viscaria splendens. Scarlet; 1½ ft. Pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50.

THE SENSITIVE PLANT

(Mimosa) grows readily IN ANY GARDEN. Touch a leaf and it collapses, as though the plant possessed intelligence 1/4oz. 30 cts.

AFRICAN MARIGOLDS

Tall Double. 2 1/2 ft.
Alldouble Lemon Alldouble Orange
 Each, pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50
Mixed. Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

Collarette (Odorless). 2 1/2 ft.
 Centers of the 2 1/2-inch blooms are short, quilled florets, surrounded by flat ones.
Crown of Gold. Bright golden orange. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.
Crown Prince. Primrose-yellow. Ideal companion to Crown of Gold. Pkt. 15 cts., 1/4oz. 50 cts., 1/4oz. 75 cts.
American Beauty (Chrysanthemum-flowered, Incurred). 3 ft.
Orange Golden Orange Yellow
 Each, pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25

Gigantea. 3 ft.
 A remarkable new, sweet-scented, robust-growing, extremely large-flowered type, excellent for show purposes and the garden.
Orange Sunset. Fine deep orange. Pkt. 15 cts., 1/8oz. 50 cts., 1/4oz. 75 cts., oz. \$2.50.
Sunset Giants. Rich mixture. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.50.

Dwarf Gigantea. 15 in.
Pot O'Gold. A new fragrant variety for bedding and cut bloom. Of uniform height, the stems are 10 to 12 inches long. Large, loosely formed flowers of deep orange-gold 4 inches in diameter, ball-like and double. Pkt. 35 cts., 3 pkts. \$1, 1/8oz. \$1.50, 1/4oz. \$2.50.
Golden Bedder. See page 32. Pkt. 35 cts., 3 pkts. \$1, 1/8oz. \$1.50.

Chrysanthemum-flowered. 2-3 ft.
Goldsmith. A good "mission giant" variety. Veritable bushes are covered with large flowers, round, double and saffron-gold, 4 inches across, quilled and incurved. Starts to bloom early. Pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.
Early Sunshine. Bright yellow.
Golden Glow. Bright golden yellow. Odorless foliage.
Limelight. Light primrose-yellow.
Hybrids. Fine mixture of many varieties. Each, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50
Yellowstone. See page 32. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.

Dwarf African. 12-15 in.
Little Giants, Orange. Pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.
Little Giants, Mixed. Pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1.

Carnation-flowered. 1-2 1/2 ft.
Yellow Supreme. 2 1/2 ft. Lemon-yellow.
Guinea Gold. 2 1/2 ft. Brilliant golden orange.
Dwarf Guinea Gold. 1 ft. Similar to Guinea Gold except in height. Each, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50

MALOPE grandiflora, Giant Crimson.
 Annual. 2 1/2 ft. Large hibiscus-like flowers. Pkt. 15 cts., 1/8oz. 40 cts., 1/4oz. 75 cts.

MALVA Alcea (Hollyhock Mallow). Perennial. Pink; 5 ft. Easily grown plant for the hardy border with large open bell flowers. Pkt. 25 cts., 5 pkts. \$1.

MARTYNIA fragrans (Unicorn Plant).
 Annual. 2 1/2 ft. For the mixed border. Fragrant purple flowers. Pkt. 35 cts.

MATHIOLA bicornis (Evening-scented Stock). Annual. 1 ft. Flowers dull purplish lilac; grown for their fragrance at night. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

French Marigolds

Scabious-flowered
Double Harmony. 1 ft. Deep orange crest with maroon-brown collar of broad florets.
Orbit. 1 ft. Deep golden yellow; quilled center; reddish brown guard petals.
Ferdinand. 2 ft. See page 32.

The following shown in color on page 34:
Scarlet Glow **Spry**
 Each, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50
 The following are described on page 32:
Melody. Pkt. 25 cts., 1/4oz. 60 cts., oz. \$2.
Harmony Hybrids **Sunbeam**
 Each, pkt. 15 cts., 1/4oz. 35 cts., oz. \$1.25

Dwarf Doubles
Royal Scot Alldouble. 1 ft. Rich mahogany and gold in uniform stripes.
Yellow Pygmy. 9 in. Blooms measuring less than an inch in diameter, light lemon-yellow. Each, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50
Robert Beist. 1 ft. Dark brownish maroon.
Golden Ball. 1 ft. Golden orange.
Lemon Ball. 1 ft. Lemon-yellow.
Mahogany. 1 ft. Velvety mahogany-brown.
Mixed. 1 ft. Contains all colors. Each, pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25

Dwarf Singles
Fire Cross. 1 ft. Deep orange, splashed and spotted with crimson.
Legion of Honor (Little Brownie). 9 in. Golden yellow, crimson blotch. Each, pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25

New Hybrids
Red and Gold Hybrids. 1 1/2 ft. Blooms are double, and 2 1/2 inches across. The color of some is red, others are combinations of red and gold. Small pkt. 15 cts., large pkt. 35 cts., 1/8oz. \$2.
Winter Flowering. 2 1/2 ft. For indoor growing. Outer florets are beautiful mahogany, with a large pin-cushion center of golden yellow, suffused mahogany. Pinch plants when they are 8 inches high. Pkt. 50 cts., 3 pkts. \$1.25, 6 pkts. \$2.

We draw your attention to page 34, where the following Marigolds are shown in actual color:

	Pkt.	1/8oz.	1/4oz.	Oz.
Little Giants, Orange.				
1 ft.	\$0 25	\$0 75	\$1 25	
Butterball. 9 in.	25	50	75	\$2 50
Golden Glow. 2 1/2 ft.	15	50	75	1 50
Scarlet Glow. 1 ft.	15	50	75	1 50
Orange Sunset. 3 ft.	15	50	75	2 50
Spry. 1 1/2 ft.	15	50	75	1 50
On front cover is—				
Limelight. 20 ins.	15	50	1 50	

Peony-flowered. 2 1/2 ft.
Golden Supreme. Glowing gold.
Orange Supreme. Intense orange. Each, pkt. 25 cts., 1/8oz. 60 cts., 1/4oz. \$1

MAURANDIA Barclaiana. Climber or basket-plant for the garden in warm weather, or in the greenhouse during winter. White, pink and blue flowers. Pkt. 25 cts., 5 pkts. \$1.

MATRICARIA. Half-bardy Perennials, treated as Annuals.
Eximia (Feverfew). 15 in. White. Excellent for cutting. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.
Golden Ball. 12 in. Yellow. Good bedding plant. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

MERTENSIA virginica (Virginia Bluebell). 2 ft. Beautiful blue and purple spring-blooming plant. For the border. Pkt. 35 cts., 3 pkts. \$1.



Mignonette, Allen's Defiance

MIGNONETTE • Reseda

Annual. Well-known, sweet-scented flowers. At home in the greenhouse, garden, or sitting-room.

Red Monarch. 15 in. Deepest red sort. Flower-spikes are thick and heavy. Very sweet-scented. For outdoors and under glass. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

S. & W. Co.'s Triumph. 15 in. Recommended for winter forcing. In type similar to Allen's Defiance, except that spikes are more compact and larger in size. Pkt. 25 cts., 1/8oz. 60 cts., 1/4oz. \$1.

Allen's Defiance. 1 ft. Large-flowering and deliciously fragrant. When grown under favorable conditions its spikes will be 12 inches long. The individual florets are of remarkable size, forming a graceful as well as compact spike. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Machet. 10 in. Dwarf variety, with broad spikes of very fragrant red flowers. One of the best for either garden or pot-culture. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

MESEMBRYANTHEMUM crystallinum (Ice Plant). Annual. 8 in. Dwarf, trailing plants with pink flowers and glistening foliage. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Criniflorum, Mixed (Livingstone Daisy). Annual. 3 in. Many attractive colors. Spreading plant. Pkt. 25 cts., 1/8oz. \$1.

Tricolor. Annual. 6 in. Branching plant with white, pink and purple daisy-like flowers. Pkt. 15 cts., 1/4oz. 75 cts.

MICHAUXIA campanuloides. 5 ft. Biennial for the mixed border, with white flowers, tinged purple. Pkt. 35 cts.

MIMULUS, Whitecroft Scarlet (Monkey Flower). Half-bardy Annual. 8 in. This comes true from seed. Orange-scarlet flowers cover the compact plant. Pkt. 50 cts.

Red Emperor. Hardy Perennial. 1 ft. A gem for the rock-garden, especially in moist, shaded spots. Bright crimson-scarlet flowers. Pkt. 50 cts., 3 pkts. \$1.25.

Moschatus (Musk Plant). Annual. 1 ft. Beautiful plant with almost transparent branches. Likes damp, shady situations. Musk-scented. Pkt. 25 cts.

Splendid Annual, Mixed. Pkt. 15 cts.

MYOSOTIS • Forget-me-not

Perennial. Hardy with slight protection over winter. Seed may be sown in spring or summer. Alpestris sorts and Dissitiflora bloom in April; Palustris, May to fall.

Alpestris Varieties

Ideal for planting between May-flowering tulips in early spring as a ground-carpet.

Blue Ball. 10 in. New. Compact plant with deepest indigo flowers. For bedding and edging. Pkt. 35 cts., 3 pkts. \$1, 1/4oz. \$1.50.

Lavender Gem. 8 in. New and distinct color—mid-lavender, free from rose or mauve. Pkt. 35 cts., 3 pkts. \$1.

Royal Blue. 9 in. Rich dark indigo-blue flowers. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Robusta grandiflora. 10 in. Good heads of Forget-me-not-blue flowers. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Victoria, Pink. 8 in. Pink type of Forget-me-not. For the border and pot-culture.

Victoria, White. White form of above.

Above two, pkt. 15 cts., 1/4oz. 75 cts.

Mixed. A select mixture of Alpestris sorts. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Blue Spire. 1 ft. New sort with flowers of a lively deep, but bright blue; a mass of bloom in spring. Pkt. 50 cts., 3 pkts. \$1.25.

Dissitiflora. 1 ft. Large, blue flowers; adapted for beds of late-flowering tulips, etc. Pkt. 25 cts., 1/8oz. \$1.25, 1/4oz. \$2.

Oblongata, Blue Bird. Beautiful spring-flowering type with deep, true blue blooms. Pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

Palustris semperflorens (Everblooming Forget-me-not). 1 1/2 ft. Large, clear blue flowers. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

Ruth Fischer. 1 ft. Large blue blooms up to 1/2 inch in diameter. Plants of exceptional value for pot-culture and spring bedding. Pkt. 25 cts., 5 pkts. \$1, 1/8oz. \$2.50, 1/4oz. \$4.

MIMOSA pudica (Sensitive Plant). Greenhouse and Bedding Plant. 2 ft. Curious plant, the leaves of which instantly close when touched. Small lavender flowers. Tender annual, easily grown in the garden. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

MINA lobata. Annual Climber. Sow against a fence or stump in spring, and it trails 20 feet; from July on, it is covered with small, trumpet-shaped, red flowers. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

MOMORDICA. Annual Climber. 15' to 20 ft. Large leaves make dense shade. Flowers followed by ornamental fruits.

Balsamina (Balsam Apple). Orange fruits. Pkt. 15 cts., oz. 50 cts.

Charantia (Balsam Pear). Coppery scarlet fruits. Pkt. 15 cts., oz. 50 cts.

MONARDA hybrida, Mixed (Bee Balm; Bergamot). Perennial. 3 ft. Aromatic plant; showy flowers in clusters. Mixture of salmon, rose, crimson, and scarlet. July-Sept. Pkt. 25 cts., 1/8oz. 60 cts., 1/4oz. \$1.

MORICANDIA sonchifolia. 2 ft. Wall-flower-like annual with lavender-mauve flowers. Pkt. 35 cts., 3 pkts. \$1.

MYOSOTIDEUM nobile (New Zealand Forget-me-not). Greenhouse Perennial. Needs partial shade. Blue myosotis-like flowers. Pkt. 50 cts., 3 pkts. \$1.25.

NEPETA Mussini (Ground Ivy). Perennial. 1 1/2 ft. Branching and somewhat spreading plant with clusters of charming blue flowers open in May and June. Pkt. 25 cts., 1/8oz. 60 cts., 1/4oz. \$1.



Nasturtium, Semi-dwarf or Gleam

NASTURTIIUMS

For ease of culture, duration of bloom, brilliancy of coloring, and general excellence, Nasturtiums are unexcelled. Given a sunny position there is a profusion of gorgeous blossoms all summer.

Dwarf or Globe Types

Double, fragrant flowers; compact plants, entirely without runners. Excellent for borders, edging, pots and flower-beds.

Salmon Globe	Scarlet Globe
Mahogany Globe	Orange Globe
Ruby Globe	
Each, pkt. 15 cts., oz. 50 cts., 1/4lb. \$1.50, lb. \$5	
Golden Globe	Dwarf Globe Mixture
Above 2, pkt. 10 cts., oz. 25 cts., 1/4lb. 75 cts., lb. \$2.50	

COLLECTION: Pkt. each, above 6 colors, 60c.

Semi-Dwarf or Gleam Types

Double, fragrant flowers; plants have short runners. Suitable for trailing in a rock-garden, and for cut-bloom.

Salmon Gleam	Scarlet Gleam
Mahogany Gleam	Orange Gleam
Moon Gleam (golden cream)	
Each, pkt. 15 cts., oz. 50 cts., 1/4lb. \$1.50, lb. \$5	

Golden Gleam Glorious Gleam Mixture
Above 2, pkt. 10 cts., oz. 25 cts., 1/4lb. 75 cts., lb. \$2.50

COLLECTION: Pkt. each, above 6 colors, 60c.

Tom Thumb or Bedding (Single)

Dwarf, Ivy-leaved, Mixed. Beautiful, green, ivy-like foliage; an effective setting for the lovely flowers. All colors. Pkt. 10 cts., oz. 25 cts., 1/4lb. 75 cts., lb. \$2.50.

Dwarf, Variegated-leaved, Mixed. Good flowers and ornamental foliage. All colors. Pkt. 10 cts., oz. 25 cts., 1/4lb. 75c., lb. \$2.50.

Large-flowered, Dwarf, Mixed. Pkt. 10 cts., oz. 20 cts., 1/4lb. 60 cts., lb. \$2.

Tall or Climbing (Single) 6 to 10 ft.

Tall, Ivy-leaved, Mixed. Similar to Dwarf Ivy-leaved, but tall. Pkt. 10 cts., oz. 25 cts., 1/4lb. 75 cts., lb. \$2.50.

Tall, Variegated-leaved, Mixed. Ornamental leaves; climbing. Pkt. 10 cts., oz. 25 cts., 1/4lb. 75 cts., lb. \$2.50.

Large-flowered, Tall, Mixed. Pkt. 10 cts., oz. 20 cts., 1/4lb. 60 cts., lb. \$2.

NICOTIANA • Scented Tobacco

Easily grown annuals with broad hairy leaves and tall spikes of fragrant, narrow, flat-lipped trumpet flowers.

Crimson Bedder. 15 in. Dwarf and compact. Deep crimson flowers. Pkt. 15 cts., 1/8oz. 50 cts., 1/4oz. 75 cts.

Crimson King. 2 1/2 ft. The color is a dark, velvety crimson-red. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.

Affinis. 2 to 3 ft. Fragrant white, star-shaped flowers, 3 inches across, blooming continually. Pkt. 10c., 1/4oz. 25c., oz. 75c.

Affinis Hybrids, Mixed. 2 to 3 ft. A fine assortment of colors; highly perfumed. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.

Affinis, Red Shades. 2 to 3 ft. Immense clusters of rich crimson flowers. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.

Miniature White. 1 3/4 ft. Small-flowered, pure white species, delightfully scented. A fine bedding subject and pot-plant. Pkt. 35 cts., 3 pkts. \$1.

Sanderæ Hybrids, Mixed. 2 1/2 ft. New types in various colors. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.

NEMESIA. Annual. Flowers are short tubes with broad, flattened lips. Brilliant bedding plants.

White Queen. 1 ft. When in flower, it is a perfect white pyramid. Pkt. 25 cts.

Orange, Cherry-Red, Rose, Scarlet, and Mixed.

Hybrid Blue Gem. 9 in. A dwarf variety, very suitable for borders.

Each, pkt. 15 cts., 2 pkts. 25 cts., 1/8oz. \$1.50

NEMOPHILA. Annual. 6 in. Splendid subjects for garden decoration. Bright flowers in shades of blue, white, and violet.

Insignis (Baby Blue-Eyes). Blue.

Insignis alba. White.

Maculata. White, spotted blue.

Atomaria. White, spotted black.

Discoidalis. Maroon and white.

Each, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50

Mixed. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

NICANDRA Physalodes (Shoo-fly Plant; Apple-of-Peru). 4 ft. Easily grown old-time ornamental annual with pale blue bell-flowers, followed by a fruit enclosed in the chaffy calyx. Pkt. 25 cts., 5 pkts. \$1.

NIEREMBERGIA hippomanica (Cup-Flower). Annual. For the greenhouse or a sheltered position outdoors. Only 6 inches high, it forms a cushion covered with delicate lavender flowers. Pkt. 50 cts., 3 pkts. \$1.25.

Purple Robe. See page 32. Pkt. 50 cts., 3 pkts. \$1.25.

NIGELLA (Love-in-a-Mist; Fennel Flower). Easily grown annuals with cup-shaped flowers partly hidden by the lace-like foliage. For the border or for bedding.

Damascena, Double, Mixed. 1 1/2 ft. Feathery green foliage and double blue or white flowers. Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

Miss Jekyll. 2 ft. A lovely variety with cornflower-blue blossoms. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Miss Jekyll, White. Pure white form of the above. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

NOLANA, Blue Ensign (Chilean Bell-flower). 1 ft. Annual for bedding or greenhouse use. Ultramarine flowers on 6-in. stems. Pkt. 25 cts., 1/8oz. \$1.50, 1/4oz. \$2.50.

NOTHOSCORDUM fragrans (Honey Bells). Perennial. 20 in. White, scented flowers, tinted pink. Bulbs are stored over winter like tuberose. Pkt. 50 cts.

Giant-Flowered Pansies

TREAT AS ANNUALS OR BIENNIALS

This popular plant needs no description. Good results may be obtained from sowing seed in April or again in July and August in a light, cool, but well-n-oistened soil, enriched with a slight amount of barnyard manure or fine-ground bone. Sow seed in drills, covering them five times their diameter, and firm the soil. Seed will germinate in about two weeks and should not be allowed to dry out. When plants are large enough to handle, transplant to a distance of 1 foot apart. Protected in winter under glass, summer-sown plants are put out in bloom in April; carried over in the open they bloom a month later.

SUPER-PASTORAL GIANTS. This superb strain of giant fancy Pansies is the culmination of years of scientific Pansy culture. A vigorous root-system enables it to bloom well into the hottest weather. Flowers are round, of immense size, firm texture and have strong stems.

Light Lavender **Snow-White**
Pure Golden Yellow
Super Pastoral Giants, Mixed
Each, pkt. \$1, 1/8 oz. \$3.50, 1/4 oz. \$6, 1/2 oz. \$10, oz. \$35.

Pastoral Giants

The Pastoral Giants embrace a wider range of color than other large Pansies. Many are frilled and sweetly perfumed.

Oriole. Copper-red and yellow.

Pure Golden Yellow.

Lavender (light).

Pure Snow-White.

Mahogany Shades.

Bronze Shades.

Emperor William, Blue (dark).

Fancy Red Shades.

Yellow, Dark Eye.

Pink Shades.

Brown Shades.

Variegated Shades. Striped and blotched.

Pastoral Giants Mixed.

Each, pkt. (about 300 seeds) 50 cts., 1/8 oz. \$2, 1/4 oz. \$3.50, 1/2 oz. \$6, oz. \$20

The Charming Phlox

For richness of color and freedom of flowering, these cannot be surpassed. Invaluable for beds and ribbon-gardening. Sow outdoors in May, and they will be a mass of color in July and continue until late autumn. Seeds may be sown indoors in March for flowers in June.

Large-flowering Tall (15 inches)

Brilliant. Finest crimson.

***Chamois-Rose.** Shell-pink.

Kermesina. Scarlet-striped.

Leopoldi. Rose with white eye.

***Purple** ***Rich Rose**

***Scarlet** ***White**

Each, pkt. 20 cts., 1/8 oz. 75 cts., 1/4 oz. \$1.25

TALL MIXED, pkt. 15 cts., 1/8 oz. 50 cts., 1/4 oz. 75 cts., oz. \$2.50

COLLECTION: Pkt. each 5 sorts marked (*), 75 cts.

Large-flowering Dwarf

The plants are about 6 inches high.

Fireball. Scarlet. **Snowball.** Pure white.

Above 2, pkt. 25 cts., 1/8 oz. \$1.25, 1/4 oz. \$2

SAWCO EXHIBITION STRAIN. This mixture has been prepared from the finest varieties, with blooms of good size, splendid texture, and plants of robust constitution, holding their flowers well above the foliage. Every color combination is included. Pkt. 50 cts., 1/8 oz. \$1.50, 1/4 oz. \$2.50, 1/2 oz. \$4, 1/2 oz. \$7.50, oz. \$15.

SWISS GIANT MIXED. These are large blooms and their shape is good; among them are many unusual shades. They stand warm weather better than many other types. Pkt. 25 cts., 5 pkts. \$1, 1/8 oz. \$2, 1/4 oz. \$3.50, oz. \$12.

NON PLUS ULTRA MIXED. A mixture for the critical buyer who desires his beds to be uniform in quality yet with every color represented. Pkt. 25 cts., 1/8 oz. \$1.25, 1/4 oz. \$2, 1/2 oz. \$3.75, oz. \$7.50.

MIXED BEDDING PANSIES. All colors. Pkt. 15 cts., 1/8 oz. \$1, 1/4 oz. \$1.50, oz. \$5.

BABY DELIGHT. The beautiful waved blooms are a delightful light blue shade. They appear quickly from seed—in a little over two months. Pkt. 25 cts., 5 pkts. \$1, 1/8 oz. \$1.50, 1/4 oz. \$2.50.

CORONATION GOLD. Flowers 3 inches across, with ruffled edges. Color is canary-yellow, lower petals flushed orange. Pkt. 50 cts., 3 pkts. \$1.25, 1/8 oz. \$3.

SAWCO STUPENDOUS. Enormous greenhouse Pansies. See page 35. Pkt. \$2.50.

Gigantea Types

Gigantea, Art Shades. Flowers 1 1/2 inches across and in soft pastel colors. 9 in. Pkt. 20 cts., 1/4 oz. 75 cts., oz. \$2.50.

Following are described on page 35:

Red Glory. Pkt. 50 cts., 3 pkts. \$1.25, 1/8 oz. \$2.50.

Rosy Morn **Salmon Glory**
Each, pkt. 25 cts., 1/8 oz. \$1, 1/4 oz. \$1.50

Hardy Phlox Perennial

Large-flowering Hybrids, Tall Mixed. Pkt. 25 cts., 1/4 oz. \$1, oz. \$3.50.

GENOTHERA (Evening Primrose). Perennial. So named because its flowers generally open in the afternoon and close in the morning. Favorite border plant.

Fraseri. 1 1/2 ft. Yellow flowers. July-Oct. Pkt. 35 cts., 3 pkts. \$1.

Lamarckiana. 3 ft. Yellow flowers. July-Oct. Pkt. 10 cts., 1/4 oz. 30 cts., oz. \$1.

Fruticosa Youngi. 1 1/2 ft. Yellow. Pkt. 25 cts., 5 pkts. \$1.

Missouriensis. 1 ft. Yellow. Pkt. 25 cts., 5 pkts. \$1.

Speciosa. 1 1/2 ft. White turning to pink; fragrant. Pkt. 25 cts., 5 pkts. \$1.

Childs (Mexican Evening Primrose). 1 1/2 ft. Rose. Pkt. 35 cts., 3 pkts. \$1.

Clutei. 4 ft. Soft creamy yellow. Pkt. 15 cts., 1/4 oz. 60 cts., oz. \$2.



Pentstemon, Sensation

Pentstemon • Beard Tongue

Treat as an Annual. Attractive hardy perennial producing sprays of brightly colored tubular flowers. Spectabilis is excellent for borders; others are bedding plants of great beauty, especially Sensation. The latter may be treated as an annual, giving it the same culture as bedding Salvias from seed.

Giant-flowered Hybrids. 2 1/2 ft. This is a mixture of the finest giant-flowering varieties and a very excellent assortment of colors. Pkt. 25 cts., 1/8 oz. 60 cts., 1/4 oz. \$1.

Spectabilis. 4 ft. Produces long spikes of rich blue flowers. Pkt. 25 cts., 5 pkts. \$1.

Sensation. 2 ft. Desirable bedding plant. Spikes of large, gloxinia-like flowers in a wide range of color, including rose, red, carmine, cherry, pink, lilac, purple, etc. Pkt. 25 cts., 1/8 oz. \$1, 1/4 oz. \$1.50.

OSTROWSKIA magnifica (Giant Bell-flower). 5 ft. Perennial for the back of the border and needing winter mulching. Pale lilac flowers 4 inches across. Seeds slow to germinate. Pkt. 50 cts., 3 pkts. \$1.25.

PARNASSIA palustris (Grass of Parnassus). 1 ft. Good perennial rock-garden plant for damp situations, with 1-inch white flowers, veined green or yellow. Pkt. 35 cts., 3 pkts. \$1.

PASSIFLORA (Passion Flower). *Half-hardy Climber.* Handsome, rapid-growing climber for greenhouse or sunny positions outdoors in summer. Cross, crown of thorns, nails, etc., are seen in the flower. **Cærulea.** Large flowers of violet and blue.

Pkt. 15 cts., 2 pkts. 25 cts.



Phlox gigantea, Art Shades

Brilliant Petunias

Petunias are ideal for beds, porch-boxes or window-boxes. They flower in summer, even if sown in the open ground during May or June. Those sown in the house or hotbed in March or April will be in bloom by June and will be larger and finer plants.

Giant-flowering Single Fringed

Petunia grandiflora fimbriata

These have flowers 4 to 5 inches across.

- Pride of Portland.** Beautiful rose-pink.
Romany Lass. Coppery blood-red blossoms with dark purple throat; striped black.
Scarlet Beauty. Brilliant scarlet.
Theodosia. Large; soft rose-color, with a golden throat, beautifully veined.
Violacea. Velvety violet-blue.
White Beauty. Clear, crisp white.
Single Fringed, Mixed (Fluffy Ruffles).

Each, pkt. 25 cts., 5 pkts. \$1

COLLECTION: Pkt. each, above 6 colors, \$1.25

Dainty Lady. The flowers are fringed, medium in size and light golden yellow. Pkt. 50 cts., 3 pkts. \$1.25.

Glamour. See page 35. Pkt. 50 cts., 3 pkts. \$1.25.

Gottfried Michaelis. Amaranth-red flowers with dark throats; fringed; large. A wonderful bedding and border sort, and often used for baskets. 1 ft. Pkt. 25c., 5 pkts. \$1.

Giant-flowering Single Plain-edged (*Petunia grandiflora*)

These have flowers 4 to 5 inches across.

- Elk's Pride.** Large; very dark purple.
Dwarf Pink Glory. Deep rose flowers, slightly ruffled.
Purple Prince. Rich velvety purple-violet.
White Cloud. Large, pure white flowers. Somewhat dwarfier than the above. 10 in.

Each, pkt. 25 cts., 5 pkts. \$1

COLLECTION: Pkt. each, above 4 colors, 85c.

Burgundy. Beautiful mixture of purple and carmine; each flower with white throat and varietal lines. Pkt. 50 cts., 3 pkts. \$1.25.

Snowstorm Improved. Glistening white; yellow suffusion in throat. Pkt. 35 cts., 3 pkts. \$1.

Giant-flowering Double Fringed

Petunia grandiflora fimbriata flore-pleno

Produces double, some semi-double, and a few single flowers, 4 to 5 inches across.

- Crimson King** **Rose Queen**
Madonna. Pure white. **Copper-Red**
Rose-Pink with White. **Heliotrope**

Each, pkt. 50 cts., 3 pkts. \$1.25

COLLECTION: Pkt. each, above 6 colors, \$2.50

Double Fringed Mixed. (California-grown seed.) Large, fringed flowers. Wide variety of colors. Pkt. 35 cts., 3 pkts. \$1.

Miniature Types

Each plant forms a perfect ball 6-8 in. high, covered with flowers, the individual blossoms being 2 inches in diameter.

- Rose Gem** **Pink Gem** **White Gem**
Pink and White Gem. Rose, starred white.
Rose Crepe de Chine. Rich rose, silky waved petals.

Cockatoo. Deep purple-violet, with regular shaped splashes of white around the margin.

Each, pkt. 35 cts., 3 pkts. \$1, 1/2oz. \$1.50, 1/4oz. \$2.50

Violet Gem. Deeply lobed and broad-pointed flowers of a rich violet-blue. Honorable Mention, All-America Selections for 1941. Pkt. 50 cts., 3 pkts. \$1.25.

Mixed Miniature. Pkt. 25 cts., 1/2oz. \$1, 1/4oz. \$1.50.

Ruffled Petunias

Marilyn (Large-throated). (1 ft.) A half-dwarf type, erect and robust. The flowers are very large, ruffled and beautiful rich salmon. Pkt. 50 cts., 3 pkts. \$1.25.

Copper-Red. The color is unusual and most impressive; the large wide throat is a darker red. Pkt. 50 cts., 3 pkts. \$1.25.

Dwarf Giants of California. Large flowers with yellow throats, heavily marked and delicately veined. Compact and vigorous. **Mixed colors.** Pkt. 25 cts., 5 pkts. \$1.

Ruffled, Mixed. Flowers are 4 inches in diameter, frilled and ruffled. All colors appear from white, through pink to red. The plants are uniformly compact and 10 inches high. Pkt. 50 cts., 3 pkts. \$1.25.

The following are described on page 35:

General Washington
Martha Washington

Above 2, pkt. 35 cts., 3 pkts. \$1

All-Double

Remarkable in that every seedling will produce double or semi-double flowers, many over 4 1/2 inches across. Height 12 to 15 in.

Blue Brocade. See page 35. Pkt. 75 cts., 3 pkts. \$2.

DAINTINESS (Apple Blossom). Extra large, very double, and fringed. Color is an entrancing medium tone of pink.

Amaranth. Red.

Gaiety. Rose and white.

Loveliness. Clear pink.

Orchid Beauty. Clear color with veinings of a deeper shade.

White Victorious.

World Beauty. Rose-carmine.

Victorious, Mixed. (10 in.)

Above 8 sorts, each, pkt. 75 cts., 3 pkts. \$2

Single Balcony, Plain-edged

Petunia hybrida pendula

For borders, beds, and rock-gardens; their somewhat spreading habit enables them to festoon themselves over window-boxes, porches and walls. Flowers 3 inches across.

Balcony White. Pure white.

Balcony Rose. Pure rose-pink.

Balcony Crimson. Rich deep crimson.

Balcony Blue. Cornflower-blue.

Balcony Purple. Velvety violet-purple.

Each, pkt. 20 cts., 1/2oz. 60 cts., 1/2oz. \$1, 1/4oz. \$1.50

COLLECTION: Pkt. each, above 5 colors, 75c.

Balcony, Rosy Morn. The most popular color in Petunias, rosy crimson, lightening to a white throat, now available in the Balcony series. Pkt. 20 cts., 1/2oz. 60 cts., 1/2oz. \$1, 1/4oz. \$1.50.

Balcony, Red Wonder. See page 35. Pkt. 35 cts., 3 pkts. \$1, 1/2oz. \$1.50.

Balcony, Mixed. All colors. Pkt. 15 cts., 1/2oz. 50 cts., 1/2oz. 75 cts., 1/4oz. \$1.25.

PETUNIA ARISTOCRATS. Striking mixture of the best sorts, including those marked * and many other outstanding luminous gems. Pkt. 25 cts.

Single Bedding (*P. hybrida*) 1 1/2 ft.

Radiance. See illustration on front cover. Pkt. 35 cts., 3 pkts. \$1, 1/2oz. \$1.50, 1/4oz. \$2.50.

Blue Bedder. Rich, royal blue. Effective when planted in beds. Also as a pot-plant. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

***Flaming Velvet.** Flowers are a brilliant, velvety scarlet. Outstanding in color, type, and uniformity; few off-color rose flowers. Pkt. 25 cts., 1/2oz. \$1.25, 1/4oz. \$2.

General Dodds. Velvety dark red or garnet. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

***Hollywood Star.** Flowers star-shaped, five-pointed, and rose-pink; creamy yellow throat. Pkt. 25 cts., 1/2oz. \$1.25, 1/4oz. \$2.

Howard's Star, Improved. Rosy crimson, with a five-pointed white star in the center. Pkt. 15 cts., 1/2oz. 50 cts., 1/4oz. 75 cts.

Pink Beauty. Flowers large, brilliant rose-pink with throat suffused yellow. Pkt. 15 cts., 1/2oz. 50 cts., 1/4oz. 75 cts.

Topaz Rose. (Rose and Gold.) Light cerise-red or topaz-rose; fragrant. 1 1/2 ft. Pkt. 15 cts., 1/2oz. 50 cts., 1/4oz. 75 cts.

Bedding, Mixed. Highly decorative. Pkt. 10 cts., 1/4oz. 60 cts., oz. \$2.

Dwarf Bedding (*nana compacta*) (9-12 in.)

First Lady. Blooms are 2 1/2 inches across and light blush-pink. Compact and uniform. Gained Silver Medal in the All-America Selections for 1941. Pkt. 50 cts., 3 pkts. \$1.25.

***Celestial Rose.** Deep satiny rose with a white throat. Shapely and compact. Pkt. 15 cts., 1/2oz. 75 cts., 1/4oz. \$1.25.

Cream Star. See page 35. Pkt. 20 cts., 1/2oz. \$1, 1/4oz. \$1.50.

***Glow.** Plant is covered with medium-sized, rose-red flowers with lighter throat. Won a Silver Medal in recent All-America Seed Selections. Pkt. 35 cts., 1/2oz. \$1.25, 1/4oz. \$2.

Heavenly Blue (Silver Blue). Enchanting shade of light silvery blue. Pkt. 25 cts., 5 pkts. \$1, 1/2oz. \$1.50.

New Rosy Morn. Rosy crimson flowers, lighter toward the center, with the creamy yellow throat. An improved Rosy Morn. Pkt. 25 cts., 5 pkts. \$1, 1/2oz. \$1.50.

Rose of Heaven. Rich, brilliant rose, a trifle deeper than Rosy Morn. Pkt. 15 cts., 1/2oz. 75 cts., 1/4oz. \$1.25.

Rosy Morn. Carmine-pink; white throat. Pkt. 15 cts., 1/2oz. 85 cts., 1/4oz. \$1.50.

***Salmon Supreme.** Light coral-salmon blooms, about 2 inches in diameter. Pkt. 35 cts., 3 pkts. \$1, 6 pkts. \$1.50.

Sunrise. Two-inch flowers are slightly frilled and brilliant rose in color with a scarlet flush radiating from a small yellow throat. Pkt. 50 cts., 3 pkts. \$1.25.

Velvet Ball. The plant is compact, dwarf, and free-flowering. Flowers are 2 1/2 inches in diameter; they are a deep velvety blood-red. Pkt. 50 cts., 3 pkts. \$1.25.

Violet-Blue. See page 35. Pkt. 35 cts., 3 pkts. \$1, 1/2oz. \$1.50.

Violet Queen (Dwarf Violacea). Rich, plush-like violet-blue. Pkt. 15 cts., 1/2oz. 75 cts., 1/4oz. \$1.25.

Compacta, Mixed. Pkt. 15 cts., 1/2oz. 50 cts., 1/4oz. 75 cts., oz. \$2.50.



Platycodon grandiflorum

PLATYCODON

Balloon Flower; Japanese Bellflower

Perennial. Beautiful hardy plants which produce showy bell-shaped flowers during the whole season. Readily grown from seeds, the plants bloom the second year; give them a sunny position in good soil.

Grandiflorum. Steel-blue; 2½ ft. Pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50.

Grandiflorum album. White; 2½ ft. Pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50.

Grandiflorum Mariesi. Violet-blue; 1½ ft. Large, open, bell-shaped flowers. Pkt. 25 cts., ½oz. 75 cts., ¼oz. \$1.25.

Annual Platycodon

Seeds sown outdoors in April will produce flowers by August; started earlier, under glass, they will bloom in July. Flowers first appear at a height of 6 inches and eventually the plants grow to 2 feet.

Blue	White	Mixed
Each, pkt. 15 cts., ½oz. 60 cts., ¼oz. \$1		

ORNAMENTAL PEPPERS. *Greenhouse Plants.* The decorative fruits are long, oval, dark green, ripening to bright red. Foliage is variegated, marked, darker green, white and purple. The professional cultivator gives them the same culture as *Solanum Capsicastrum* to which they are akin. Pkt. 25 cts., ½oz. 60 cts., ¼oz. \$1.

PHYSALIS Francheti (Chinese Lantern). *Perennial.* 2 ft. Giant strain. Produces the familiar scarlet lantern fruits. May be had first year from seed if sown early. Pkt. 25 cts., ½oz. \$1, ¼oz. \$1.50, oz. \$5.

PERILLA nankinensis. 2 ft. Easily grown annual. Excellent bronze foliage plant for beds. Pkt. 10 cts., ¼oz. 25 cts., oz. 75 cts.

PHACELIA viscida (California Bluebell). *Annual.* 1 ft. Charming for edging a flower-bed. Plants are covered with saucer-shaped flowers of brilliant, deep gentian-blue. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Campanularia. *Annual.* 1 ft. Covered with blue flowers all summer. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

GEM-LIKE PORTULACA

Sun-Plant

Annual. Ground-hugging plants, 6 inches high, with narrow, fleshy leaves and 1-inch flowers which open only in bright weather; they are as brightly colored as candies in a jar. Of easy culture, thriving best in a rather rich, light loam or sandy soil and sunny situation. Fine for massing in beds, edgings on rockwork, and frequently used to sow broadcast over sunny banks, etc.

Single Grandiflora

Alba. Pure white. **Aurea.** Golden yellow. **Rosea.** Beautiful rose **Splendens.** Crimson.

Each, pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50
Finest Mixed, pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50

Double Grandiflora

Alba. White. **Rosea.** Rose. **Salmonea.** Salmon. **Splendens.** Crimson. **Sulphurea.** Yellow.

Each, pkt. 20 cts., ½oz. 75 cts., ¼oz. \$1.25
Finest Mixed, pkt. 15c., ½oz. 60c., ¼oz. \$1

PHYSOSTEGIA virginica (False Dragon-head). *Perennial.* Lilac; 4 ft. Bears spikes of delicate lilac, tubular flowers. Pkt. 15 cts., ¼oz. 75 cts.

Virginica alba. *Perennial.* White; 3 ft. Pkt. 15 cts., ¼oz. \$1.

Vivid. Bushy plant, with larger violet-rose flowers. Pkt. 50 cts., 3 pkts. \$1.25.

PLATYSTEMON californicus (Cream Cups). Native perennial for the rock-garden or for flower-beds, growing 1 foot high and with yellow poppy-like flowers. Pkt. 35 cts., 3 pkts. \$1.

POINCIANA Gilliesi (Flower-Fence). *Greenhouse perennial*, reaching 10 feet, but grown as an annual, is only 4 feet. Yellow, flattened, pea-shaped flowers, with red stamens. Pkt. 35 cts., 3 pkts. \$1.

POINSETTIA pulcherrima. Familiar greenhouse plant, popular for Christmas decoration with its bright scarlet bracts. Customarily propagated by cuttings, but seed may be sown experimentally. Pkt. 50 cts., 3 pkts. \$1.25.

POLEMONIUM (Jacob's Ladder). *Perennial.* 2 ft. Popular border plant, with bell-shaped flowers nearly 1 inch across. May-July.

Cæruleum grandiflorum. Deep blue.

Album. Pure white.

Richardsoni. Sky-blue.

Each, pkt. 15 cts., ¼oz. 60 cts., oz. \$2

POLYANTHUS (*Primula elatior*). *Perennial.* Immense trusses of large flowers on 10-inch stems. Seed is sown in early summer, and the plants transferred to their permanent positions in the autumn. Give a covering of litter over winter.

Mixed Colors. Pure white, through yellow to rich wallflower-red. Pkt. 25 cts., 5 pkts. \$1, ¼oz. \$2.50.

Blue Beauty. Excellent strain of the blue Polyanthus Primrose. Pkt. 50 cts., 3 pkts. \$1.25.

POLYGONUM Persicaria (Lady's-Thumb). *Annual.* 2 ft. This familiar native plant proves to be an effective bedding subject. Pink or greenish purple flower clusters. Pkt. 25 cts., 5 pkts. \$1.



Portulacas

PYRETHRUM • Painted Daisy

Perennial. The first-named variety is the well-known Golden Feather so much used for carpet bedding; the others are most attractive hardy plants with daisy-like flowers.

Aureum (Golden Feather; Feverfew). 6 in. This half-hardy perennial plant, with bright golden leaves, is grown as an annual. Valuable for edging. Pkt. 10 cts., ¼oz. 30 cts., oz. \$1.

New Double Hybrids. 2 ft. We offer a wonderful strain with large, very double flowers.

Red
White
Pink

Salmoneum
Sulphureum

Each, pkt. 50 cts., 3 pkts. \$1.25

Double Hybrids, Mixed. 2 ft. Pkt. 25 cts., ½oz. \$1, ¼oz. \$1.50, oz. \$5.

Single Hybrids, Mixed. 2 ft. Our single strain has been grown specially for us in England. The cosmos-like flowers range in color from the palest pinks to deep red. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

POTENTILLA (Cinquefoil). *Perennial.* Charming plant for the mixed border, producing brilliant flowers. Will thrive in almost any soil provided the situation is sunny.

Nepalensis (formosa). Red; 1½ ft. Pkt. 25 cts., 5 pkts. \$1.

PRATIA angulata. 6 in. Creeping perennial for the rock-garden with half-inch flowers, white streaked with purple. Pkt. 35 cts., 3 pkts. \$1.

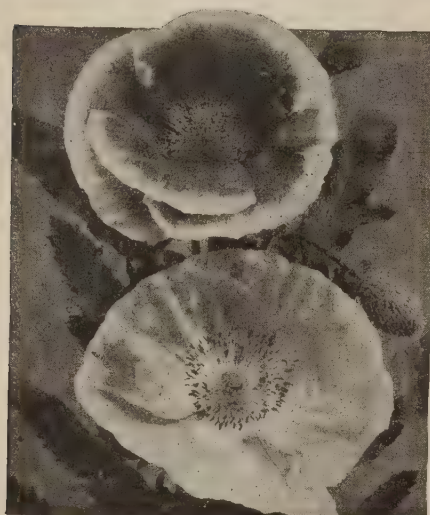
PUERARIA Thunbergiana (Kudzu Vine). *Half-hardy Perennial.* Climbing plant, reaching 10 feet the first year from seed, and thereafter, 50 feet in a season is not unusual. Its foliage is large and covers well. Racemes of rosy purple blossoms in August. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

RANUNCULUS asiaticus. 1 ft. *Perennial;* treat as an Annual. From a wild, large-flowered type, a variety of reds, yellows, orange, etc. have been produced. Includes singles, semi-doubles, and doubles.

Tecolote Giants, Mixed. Red and yellow.

Palestine Strain, Mixed. A mixture of all colors.

Above 3, pkt. 35 cts., 3 pkts. \$1



Shirley Poppies

Double Annual Poppies

Cavalcade (Shirley). A begonia-flowered double type of a rich orange-scarlet. Gather flowers as the bud is bursting; they open fully and are then ideal for floral arrangements. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Sweet Brier. Large double fluted blooms that are a striking deep rose-pink. Pkt. 25 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

New Double Shirley Poppies. A new double type with very beautiful and graceful flowers. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Carnation-flowered Varieties

These double Poppies are $2\frac{1}{2}$ feet high.

Cardinal Alldouble. Large-flowered sort; all the blooms are absolutely double. Their color is brilliant cardinal-red. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Mixed Carnation-flowered. Give a wonderful display. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Peony-flowered Varieties

These beautiful flowers have the shape of a bursting bomb—similar to a large peony. Height $2\frac{1}{2}$ ft.

Bright Rose	Cardinal-Red
Creamy Yellow	Shrimp-Pink
White	Pansy-Violet

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50
Mixed, pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.
COLLECTION: Pkt. each, above 6 colors, 75c.

Alpine Poppies, Mixed (Papaver alpinum). 10 in. This hardy perennial Poppy is one of the most beautiful rock and alpine plants with bloom in a marvelous color-range. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1.

Royal Poppy (Meconopsis regia). Hardy Perennial. During late autumn and early spring the plants have flat rosettes of very beautiful silvery leaves. In spring, stems are produced bearing large, handsome, yellow flowers on short stalks. Pkt. 50 cts., 3 pkts. \$1.25.

English Scarlet (Papaver Rhœas). The Flanders Poppy. Bright red Field Poppy of the European country-side. Annual. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Poppies

Annual Poppies should be sown in spring where they are to remain, as they do not transplant readily. Thin to 6 inches. May also be sown in autumn for next year.

Single Annual Poppies

American Legion. This new single Shirley has enormous dazzling orange-scarlet flowers, on long, stout stems. Highly commended by the Royal Horticultural Society of Great Britain. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Shirley Poppies

The Shirley or ghost type is beautiful and graceful. It attains a height of $2\frac{1}{2}$ feet.

Salmon-Pink
Pure White

Wild-Rose-Pink
Deep Apricot

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50
Finest Mixed, pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1

COLLECTION: Pkt. each, above 4 colors, 50c.

King Edward. 3 ft. Scarlet, shaded crimson-red; petals have a black blotch with yellow anthers in bold relief.

Tulip Poppy (Papaver glaucum). 20 in. Flowers are 3 inches across and resemble the brilliant scarlet Gesneriana tulip.

Above 2 sorts, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.

Tibetan Poppies (Meconopsis Bailey). A perennial 4 feet high, and producing sky-blue flowers. Sow in pans or boxes in a coldframe. Transfer to small pots when large enough, and when the plants are well established put into deep loam and leaf-soil in a moist, well-drained, half-shady position. Seed is very slow to germinate. Pkt. 50 cts., 3 pkts. \$1.25.

Oriental Poppies

(*Papaver orientale*). Hardy Perennials

Sow early in spring. Plants disappear in July and August, appearing again in cool weather. When this fall growth starts, transplant to their permanent flowering quarters.

Scarlet. Pkt. 15 cts., $\frac{1}{8}$ oz. 50 cts.

Oriflamme. Gorgeous orange-scarlet. Pkt. 15 cts., $\frac{1}{8}$ oz. 50 cts.

Princess Victoria. Immense salmon flowers. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts.

Finest Mixed. Pkt. 10 cts., $\frac{1}{8}$ oz. 50 cts.

Double Orientale. The plant bears numerous double flowers of a glowing, very striking orange-scarlet and measure 6 inches across. Pkt. 50 cts., 3 pkts. \$1.25.

REHMANNIA angulata. Greenhouse Biennial. 2 to 3 ft. Tubular blooms 3 in. across, rosy purple with yellow throats spotted purple. Flowers in nine months. Pkt. 25 cts., 5 pkts. \$1.

RHODANTHE, Mixed. Annual; Everlasting. 1 ft. Pretty edging plant. The flowers are useful for dried bouquets for winter decoration. Easily grown. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

ROMNEYA Coulteri (Bush or Matilija Poppy). 5 ft. Native perennial for the greenhouse; pots may be plunged outdoors in summer for a splendid bedding effect. Large, white, fragrant blooms. Takes two years to flower from seed. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.



Iceland Poppies

Iceland Poppies

Papaver nudicaule

Perennials, which flower the first year. They are graceful, with bright fern-like foliage in tufts, from which issue slender 1-ft. flower-stalks.

Yellow Wonder. This new variety grows 3 feet high. The enormous flowers measure 4 to 6 inches across and are bright buttercup-yellow. Pkt. 35 cts., 3 pkts. \$1, $\frac{1}{4}$ oz. \$1.50.

The Emperor. Fine deep tangerine. Flowers are fluted and have a tendency to be semi-double. Strong, wiry stems, $1\frac{1}{2}$ feet long. Pkt. 35 cts., 3 pkts. \$1, $\frac{1}{4}$ oz. \$1.50.

The Empress. Lovely salmon-rose and pink. Fluting and wrinkling make the large flowers appear semi-double. Pkt. 35 cts., 3 pkts. \$1, $\frac{1}{4}$ oz. \$1.50.

Tangerine. This is a deep tangerine-orange, with flowers of enormous size.

Coonara Pink. Rose-pink and salmon are blended to give us flowers of rare shades, while the petals are slightly ruffled.

Sanford's Giant Strain, Mixed. Very long stout stems bearing large flowers make this kind invaluable. All colors.

Above 3, pkt. 25 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1

Single Iceland Poppies, Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.75.

Double Iceland Poppies, Mixed. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

The following are offered on page 35.

Belvedere Beauty. Pkt. 35 cts., 3 pkts. \$1.
Red Cardinal. Pkt. 25 cts., 5 pkts. \$1.

ROSA polyantha nana (Baby Rose). Perennial. Blooms in six months; 15 inches. Small, white and pink flowers, single and double. Neat edging for rose-garden. Pkt. (25 fruits) 50 cts., 3 pkts. \$1.25.

RUELLIA ciliosa. $1\frac{1}{2}$ ft. Perennial requiring a winter mulch, with 2-inch tubular lavender-blue flowers like petunias. Pkt. 50 cts., 3 pkts. \$1.25.

SABBATIA stellaris. Annual. 1 ft. Deep pink flowers, each with a golden center. Needs moist soil. Pkt. 35 cts., 3 pkts. \$1.

SAINTPAULIA Ionanthe cordata (African Violet). Greenhouse Annual. Dark foliage plant with large deep lavender flowers. Pkt. 50 cts., 3 pkts. \$1.25.

Primula • Primrose

GREENHOUSE PLANTS AND HARDY PERENNIALS

The charming and beautiful Fimbriata and Obconica varieties are among our most important winter-blooming plants. Seed sown in April will bloom during early winter; August for spring blooming. Sow in shallow pans, in soil consisting of part sand and leaf-mold worked through a fine sieve, and allow for good drainage. Cover seeds lightly, and water frequently; give a temperature of about 65 degrees. Hardy types may be sown in the open ground; mostly they do best in a moist, partly shaded situation.

Primula sinensis fimbriata

Chinese Fringed Primrose

Dazzler. The vivid orange-red of sunset. Very free flowering, often showing as many as twenty of the fringed blooms on a single plant at one time. Pkt. 75 cts., 3 pkts. \$2.

Double Charm. Stocky and shapely plant, blossoms developed well above the leaves. These are very double and somewhat suggestive of Polyantha rose blooms. Their color is creamy rose, with an overtone of apricot-pink. Pkt. 75 cts., 3 pkts. \$2.

Single Sinensis Hybrids, Mixed. New and beautiful shades. Pkt. 75 cts., 3 pkts. \$2.

Double Sinensis Hybrids, Mixed. Double fringed flowers. Pkt. 75 cts., 3 pkts. \$2.

Primula stellata (Star Primrose)

These are graceful plants and bloom very freely. **Mixed.** Pkt. 75 cts., 3 pkts. \$2.

Primula malacoides (Baby Primrose)

Brilliancy. Opens lavender-pink, changes to crimson-red.

New Baby. Near lavender-pink. Strong grower and largest flowers.

Riverside. True rose-pink. Strong grower.

Rose Beauty. Light rose-pink; deep yellow eye.

Rose Marie. Double. Bright pink; twisted petals.

Salmon Beauty. Beautiful shade of salmon.

Snow King. The pure white the florist has been waiting for.

Snow Queen. Large, perfect, white blossoms.

Wonder Baby. Beautiful shade of pink.

Double White. Double; pure white.

Malacoides, Mixed.

Above 11 sorts, each, pkt. 50 cts., 3 pkts. \$1.25

Following described on page 35:

Double Fairy Jewels. Pkt. \$1.50.

Lavender Glory **Snowflake**

California, Mixed

Above 3, each, pkt. \$1

Various Greenhouse Sorts.

Forbesi (Baby Primrose). Rosy lilac.

Keep well pinched back until October.

Pkt. 35 cts., 3 pkts. \$1.

Kewensis. Attractive yellow, fragrant flowers. Pkt. 35 cts., 3 pkts. \$1.

Primula obconica

Our improved strains outrival the old types, the flowers being considerably larger, often measuring 2 inches across.

Wyaston Wonder. Huge heads of immense crimson flowers, and the foliage is believed by the introducer to be non-poisonous—at last a variety safe for those who are allergic to this plant. Pkt. 75 cts., 3 pkts. \$2.

Obconica gigantea.

Apple Blossom **Sky-Blue** **Crimson**

Dark Rose **Lavender** **Light Rose**

Scarlet **Mixed**

Each, pkt. 35 cts., 3 pkts. \$1, 6 pkts. \$1.75

Atrosanguinea, Mueller. Deep crimson. Pkt. 50 cts., 3 pkts. \$1.25.

Rosea, Mueller. Bright rose. Pkt. 50 cts., 3 pkts. \$1.25.

Hardy Primulas

Beesiana. Purple; yellow eye; 2 ft. Pkt. 50 cts.

Bulleyana hybrida. Orange, apricot, and carmine shades; 2 ft. Pkt. 35 cts.

Cashmeriana. 1 ft. Lilac flowers in dense heads. Pkt. 50 cts.

Chionantha. 20 in. White flowers; dark centers, yellow tubes. Fragrant. Pkt. 25 cts.

Chungensis. 15 in. Deep orange-yellow, fragrant flowers. Pkt. 35 cts.

Cortusoides. Pink flowers from May to July. 9 in. Pkt. 50 cts., 3 pkts. \$1.25.

Denticulata. Rosy lilac; 1 ft. Pkt. 50 cts.

Florindæ. 4 ft. Bears fragrant, yellow, pendulous flowers. July, Aug. Pkt. 25 cts.

Helodoxa. Golden; 3 to 4 ft. Pkt. 35 cts.

Japonica alba (Japanese Primrose). 2 ft. White flowers with pink centers. Pkt. 25c.

Japonica, Etna. Copper-red; 2 ft. Pkt. 50c.

Japonica splendens. Blood; 2 ft. Pkt. 35 cts.

Japonica, Choice Hybrids, Mixed. 2 ft. Bright, showy flowers. Pkt. 25 cts.

Lissadel, Red Hugh. 1 ft. Fiery madder-red. Pkt. 35 cts.

Microdonta alpicola. 1½ ft. Yellow flowers, with powdered white throat. Pkt. 25c.

Pulverulenta. Crimson; 1½ ft. Pkt. 50 cts.

Sieboldi. 6 in. Pink and rose shades. Pkt. 75 cts., 3 pkts. \$2.

Sikkimensis (The Sikkim Cowslip). 1½ ft. Pale yellow; fragrant. Pkt. 35 cts.

Veris, Mixed (English Cowslip). 1 ft. Pkt. 20 cts.

Vulgaris. 6 in. The true English Primrose. Canary-yellow; fragrant. Pkt. 25 cts.

Waltoni. 15 in. Dark red, wine-colored, glossy flowers. Pkt. 50 cts.



Primula obconica



Primula sinensis fimbriata

RUDBECKIA • Coneflower

Annual Varieties

Kelvedon Star. 3 ft. The flowers are orange or yellow, and all have dark brown centers. Pkt. 25 cts., ¼ oz. 75 cts., oz. \$2.50.

My Joy. Bright orange, 5-inch flowers. Pkt. 15 cts., ¼ oz. 50 cts., oz. \$1.50.

Golden Sunset. Large golden flowers with dark red band. Pkt. 10 cts., ¼ oz. 50 cts., oz. \$1.50.

Indian Maid. Golden yellow blooms with mahogany zone; quilled florets. Pkt. 15 cts., ¼ oz. 75 cts., oz. \$2.50.

Starlight. See page 35. Pkt. 50 cts.

Perennial Varieties

Hirta Hybrids, Mixed. 2 ft. Sown indoors in March, they bloom same summer.

Flowers are large, single, and each is of only one color; from deep mahogany through bronze and orange to yellow.

Pkt. 25 cts., ¼ oz. 75 cts., oz. \$2.50.

Bicolor superba. Yellow with brown center; 3 ft. Pkt. 10 cts., ¼ oz. 50 cts.

Bicolor, Solfatare. Sulphur-yellow; 3 ft.

Newmani. Orange with purple cone; 3 ft.

Purpurea. Reddish purple; 4 ft.

Above 3, pkt. 15 cts., ¼ oz. 75 cts.



Primula malacoides

WE SUPPLY A COLLECTION

of twelve packets of seed of ANNUAL FLOWERS that are FRAGRANT.
Just the thing to start a perfume corner in your garden. Price \$1.

SALVIA • Scarlet Sage

Annuals, except where otherwise noted

Familiar bedding plants, covered with bloom throughout the summer. Sow seeds from February to April indoors.

Ostrich-Plume (Double Salvia). 2 ft. The habit resembles the Splendens type but the bush is well covered with plumes of blossoms. As a cut-flower, one of these scarlet plumes alone makes a delightful decoration. Pkt. 25 cts., 5 pkts. \$1, 1/8oz. \$1.50.

Harbinger. 15 in. A true, dwarf, large-flowering Salvia which commences blooming in July from early-sown seed. Beautiful symmetrical plants, densely clothed with long sprays of large, brilliant scarlet flowers. Pkt. 25 cts., 1/8oz. \$1.25, 1/4oz. \$2.

America or Globe of Fire. 2 ft. Bushy plants with large spikes of brilliant scarlet flowers thrown well above the plant. Pkt. 25 cts., 1/8oz. \$1.25, 1/4oz. \$2.

Scarlet Dragon. 2 1/2 ft. Improved Splendens type; flowers are nearly double the size, closely crowding the immense spikes. Pkt. 15 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

Splendens (Scarlet Sage). 2 1/2 ft. Bright scarlet. Pkt. 10 cts., 1/4oz. 75 cts., oz. \$2.50.

Bonfire. 2 1/2 ft. Compact bushes produce brilliant scarlet flowers. Pkt. 10 cts., 1/8oz. 75 cts., 1/4oz. \$1.25, oz. \$4.

Zurich. 2 ft. Valuable because of its earliness. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.75.

Blaze of Fire. 1 ft. The dwarfest of all bright scarlet Salvias, and by far the most brilliant. Ten to fourteen days earlier than the varieties used hitherto; the best bedding variety. Pkt. 50 cts., 3 pkts. \$1.25, 1/8oz. \$3.50.

The Welwyn Salvias

These are 3 feet high and are entirely covered with large blooms. Invaluable for green-garden effect before the blooming period. The seed should be sown in early spring in flats and transplanted in the usual manner. Plants set out in early summer grow quickly, but to get the best results for late autumn bloom they should be pinched back.

Welwyn Pink. A charming hue.

Welwyn White. Perfect pure white.

Each, pkt. 35 cts., 3 pkts. \$1

Purple Splendens. 2 1/2 to 3 ft. Uniform; covered with purple flowers. Pkt. 25 cts., 5 pkts. \$1, 1/8oz. \$1.50.

Horminum. 2 ft. Pale violet-blue Salvia. Pkt. 10 cts., 1/4oz. 50 cts.

Patens (Blue Sage). 2 ft. Deep blue. Beautiful garden or greenhouse tender perennial. Pkt. 15 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

Sclarea (Clary). Perennial, treated as an Annual. 2 ft. Curious lavender bracts. Pkt. 15 cts., 1/8oz. 50 cts.

Azurea grandiflora. Perennial. 3 1/2 ft. Sky-blue flowers in August and September. Pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1.

Farinacea. Perennial, treated as an Annual. 2 1/2 ft. Seeds sown in May bloom from July to frost. Light blue. Pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1.

Farinacea, Blue Bedder. Perennial, treated as an Annual. 3 ft. Sown early in spring produces flowers from July to October. Compact, and deeper blue. Fine for cutting. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.

Farinacea, Royal Blue. See page 35. Pkt. 35 cts., 3 pkts. \$1.



Salvia, Blaze of Fire

SALPIGLOSSIS • Painted Tongue

Annual. The funnel-shaped blooms reveal exquisite markings or veins running through the groundwork of the flowers. Sow in open in spring, or earlier in a hotbed or sunny window, and transplant.

Superbissima Hybrids

ORCHID-FLOWERING (Height 3 feet)

Brown and Gold	Purple and Gold
Crimson	Scarlet and Gold
Light Blue and Gold	Rose and Gold
Primrose	Velvety Violet

Each, pkt. 15 cts., 1/8oz. 60 cts., oz. \$2
COLLECTION: Pkt. each, above 8 colors, \$1

Finest Mixed. A mixture of all the above shades. Pkt. 10c., 1/4oz. 50c., oz. \$1.50.

New Dwarf Giant-flowering

Height 2 feet

Khaki Yellow	Brown and Gold
Blue and Gold	Velvety Crimson
Bright Scarlet	Scarlet and Gold
Red Star Chamouis	Blue and Silver
	Velvety Violet

Each, pkt. 25 cts., 1/8oz. \$1, oz. \$3.50
COLLECTION: Pkt. each, above 9 colors, \$1.75

Dwarf Giant-flowering, Mixed. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

SANTOLINA incana (Lavender Cotton). 2 ft. Evergreen, aromatic perennial with hairy gray foliage and globular yellow flowers. Pkt. 35 cts., 3 pkts. \$1.

SANVITALIA procumbens fl.-pl. Annual. 6 in. Useful in beds, edges of borders, or in vases. Showy, double, yellow flowers. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

SAPONARIA • Bouncing Bet

Ocymoides. Perennial. 9 in. A hardy rock-plant producing masses of small, bright rose flowers. Pkt. 10 cts., oz. 60 cts.

Vaccaria, Rose. Annual. 2 ft. Satiny pink flowers somewhat like an enlarged gypsophila. Pkt. 10 cts., oz. 30 cts.

Vaccaria, White. Pkt. 10 cts., oz. 30 cts.

SCABIOSA

Mourning Bride; Pincushion Flower

Beautiful plants with beehive-shaped flower-heads, growing about 2 1/2 feet high and in bloom mostly from early in July until frost. Sow seeds in the open in spring.

Tall Annual Varieties

COLLECTION No. 27B: Pkt. each 6 sorts below marked (*), 75 cts.

Heavenly Blue. Ideal bedding variety because the plants are compact and the flowers are on short stems. They are cone-shaped and a lovely shade of azure-blue. A very early sort, 1 1/2 feet high. Pkt. 25 cts., 1/8oz. \$1, oz. \$3.50.

***Blue Moon**. See illustration on front cover. Pkt. 20 cts., 1/8oz. 60 cts., oz. \$2.

Loveliness. The blooms range through varying tones of soft delicate rose. Unsurpassed as a cut-flower, having long, stiff stems and delightful fragrance.

Cattleya. A new shade—rich rosy lilac of the beautiful orchid tone. Large flowers.

Peach Blossom. New shade of peach-blossom-pink. Flowers large, borne on long stems, and excellent for cut-blooms.

Above 3, pkt. 15 cts., 1/8oz. 50 cts., oz. \$1.50

***Shasta**. Pure white, with immense blooms 3 to 4 inches in diameter.

***Rosette**. Beautiful deep rose, suffused with salmon; extra-large flowers.

***Salmon Beauty**. Vigorous plant and enormous flowers. Color is pure salmon.

Above 3, pkt. 20 cts., 1/8oz. 60 cts., oz. \$2

Orchid Shades, Mixed. Blooms are large and on long stems; colors include mother-of-pearl pink, light pink, dark pink, mauve, crushed strawberry, and others. Pkt. 10 cts., 1/8oz. 50 cts., oz. \$1.50.

Distinct Colors

King of the Blacks. Purplish black.

***Rich Red** ***Yellow**

Each, pkt. 10 cts., 1/8oz. 50 cts., oz. \$1.50

Tall Mixed **Dwarf Mixed**

Each, pkt. 10 cts., 1/8oz. 30 cts., oz. \$1

Dwarf Annual Varieties

Coral Rose. 8 in. Small, compact plant. The individual flowers are large and their color is a hue of coral between salmon and rose. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

Fiery Scarlet. 1 1/2 ft. Brilliant scarlet-cerise hues. Pkt. 15 cts., 1/8oz. 60 cts., oz. \$2.

Following are described on page 36:
Peace. Pkt. 15 cts., 1/8oz. 40 cts., 1/4oz. 75c.
Midnight. Pkt. 25 cts., 1/8oz. 60 cts., 1/4oz. \$1.

Perennial Varieties

Giant Hybrids (Isaac House Strain), **Mixed**. 3 ft. Larger flowers on longer stems. The colors are varied: lilac, lavender, violet, purple, mauve, light and dark blue, and white. Pkt. (50 seeds) 35 cts., 1/8oz. \$1.25, 1/4oz. \$2.

Caucasica (Blue Bonnet). 3 ft. Especially valuable for cutting; lilac-blue. Pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1.

Caucasica alba. Pure white; 3 ft. Pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1.

Japonica. Bushy plants 2 1/2 feet high, bearing on long stems beautiful, lavender-blue flowers. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Fischeri. 2 ft. The flowers are about 2 1/2 inches in diameter, borne on long, stiff stems, and are of a rich deep violet-blue shade. Pkt. 50 cts., 3 pkts. \$1.25.

IMPROVE YOUR LAWN

with an occasional dose of LAWNSPREAD. May be used at any time of the year. Unit of 25 pounds treats 200 to 400 square feet and costs \$2.



Scabiosa, Heavenly Blue. (See page 66)

SAXIFRAGA cordifolia. Perennial. 9 in. Well-known rock-garden plant with pink flowers. Pkt. 35 cts., 3 pkts. \$1.

SCHIZANTHUS (Fringe Flower; Butterfly Flower). Annual. Heads of pretty, irregularly shaped, notched and blotched flowers, like small butterflies. Although grown largely as a greenhouse plant, this annual is also of easy culture outdoors.

Canadian Super-Giants. Blooms 2 inches across! Rich colorings and unusual markings; distinct. Pkt. \$1, 3 pkts. \$2.50.

Giant-flowering Hybrids, Mixed. 15 in. Used by many professional gardeners and florists as a splendid pot-plant and cut-flower. Pkt. 50 cts., 3 pkts. \$1.25.

Wisetonensis. 15 in. Beautiful appearance, with its myriads of blooms, the ground-color of which is white, dotted with rose. Pkt. 25 cts., 5 pkts. \$1, 1/4oz. \$2.

Dwarf Hybridus grandiflorus. 1 ft. Compact habit; great range of bright, pretty colors. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

Snowflake. Large, pure white, fringed flowers. Pkt. 50 cts., 3 pkts. \$1.25.

SCHIZOPETALON Walkeri. 1 ft. Easily grown annual with attractive fringed white blossoms which are fragrant at night. Pkt. 50 cts., 3 pkts. \$1.25.

SCUTELLARIA caelestina (Helmet Flower; Skull Cap). Foot-high perennial for the rock-garden, with racemes of attractive blue flowers. Pkt. 25 cts., 5 pkts. \$1.

SEDUM (Stonecrop). Perennial. Dwarf hardy plants for the rock-garden and for carpet bedding.

Acre. Yellow; 6 in. **Album.** White; 6 in. **Spurium.** Rose; 6 in.

Stoloniferum coccineum. Scarlet; 6 in.

Each, pkt. 35 cts., any 3 pkts. \$1

STOCKS

Fragrant and showy plants of simple culture. For the garden and greenhouse.

S. & W. Co.'s Early Giant Imperial

These bloom very quickly and continue through the summer. Plants are of branching habit, 2 to 2 1/2 feet high.

• **Antique Copper.** Rich hellebore-red, overlaid with copper. Fully double.

• **Buttercup.** An improved new yellow Stock of a rich deep tone.

• **Elk's Pride.** An intense royal purple; sweetly perfumed, double flowers.

• **Shasta.** A new, glistening, giant white, with longer stems and more blooms to the stem.

• **Chamois-Rose** Blood-Red

Apple Blossom Deep Rose

Dark Blue Old-Rose

• **Lavender** Mixed

Each, pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25

COLLECTION:

Pkt. each of 6 varieties marked*, \$1.25

NON-BRANCHING or COLUMNAR TYPE. For greenhouse forcing. A high percentage of double flowers are carried on the handsome, single-stem plants. 3 feet.

Chamois-Rose Pure White
Crimson Ruby
Deep Rose Silvery Lilac
Lilac-Lavender Mixed
Moonlight. Yellow.

Each, pkt. 75 cts., 3 pkts. \$2

Following described on page 37:

Gardenia Yellow Wonder

Each, pkt. 75 cts., 3 pkts. \$2

Special Cultural Note

Stocks for outdoor blooming should be sown early so as to reach the bud stage before the average temperature exceeds 60° F., otherwise the bud very often will not develop and an excessive leaf-growth will result.



Schizanthus, Giant-flowered Hybrids



Giant Imperial Stocks

SUPER-GIANT IMPERIAL STOCKS.

Basal-branching, each plant produces twelve giant flower-spikes. Individual florets are double and 2 inches across. Height, 3 feet.

Blush-Pink Fiery Red. See page 37.

Dark Blue Rose Charm. Rich deep rose.

Roselight. Rose-pink.

Above 5, pkt. 35 cts., 1/8oz. \$1.25, 1/4oz. \$2

Giants of California

Ideal new greenhouse type with long flower-spikes. 70% double-blooming plants may be looked for. Quick-growing, immense florets, and especially good colors.

Mojave. See page 37.

Monterey. Beautiful pink; splendid variety.

Above two, pkt. 35 cts., 1/8oz. \$1.25, 1/4oz. \$2

Golden Gate. Yellow. **Pacific.** Blue.

Redwoods. Blood-red. **Tahoe.** Lavender.

Santa Barbara. Chamois. **Yosemite.** Rose.

Santa Maria. White. **Mixed.**

Sequoia. Rose-carmine.

Each, pkt. 35 cts., 1/8oz. \$1, 1/4oz. \$1.75

SENECIO clivorum, Orange Queen

(Groundsel). Perennial. Forms a neat clump 4 feet high, on which develop yellow flowers. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

Elegans (Purple Ragwort). Annual. 2 ft. Groundsel-like lavender flowers. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

SHAMROCK. (True Irish.) Sow under glass around January 10 to have a supply of plants in pots by March 17. Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

SHORTIA californica. 9 in. Trailing annual with yellow everlasting flowers, used as an edging or rockery plant. Pkt. 50 cts.

SIDALCEA (Checkerbloom). Perennial.

Erect, mallow-like plants of easy culture.

Rosy Gem. 3 ft. Pkt. 15 cts., 1/4oz. 60 cts.

Stark's Hybrids. Brightly colored. Useful for cutting. Pkt. 25 cts., 1/4oz. \$1.

Early- or Winter-Flowering Sweet Peas

Popular as greenhouse subjects, they may be sown also in the garden in spring for earliest bloom outdoors. They are particularly adapted to sections where the Summer-flowering Spencer varieties have not proved satisfactory. In our southern states, if sown during the early fall months, they will produce flowers during the winter and continue until killed by the heat of summer.

Outstanding Varieties

We draw your attention to the following new sorts described on page 36:

Early Dawn **Early Geranium**
Early Magic

Each, pkt. 35 cts., 1/2oz. \$1.25, oz. \$2

Azalea Pink. Large blooms, chamois-pink in color, warm and positive, are carried on long, strong stems. Distinct and superior variety. Pkt. 15 cts., 1/2oz. 40 cts., oz. 75 cts.

Cavalcade. This is a very lively color—a fine golden cerise on a white ground. An excellent and novel variety. Pkt. 15 cts., 1/2oz. 35 cts., oz. 60 cts.

Celestial. The blooms are a charming cerise-salmon-rose which discloses a suffusion of coral under artificial light. They are carried, four at a time, on 12 to 14-inch stems. The plants are especially vigorous. Pkt. 15 cts., 1/2oz. 40 cts., oz. 75 cts.

Early Daphne. Usually carries four flowers on a stem. In color it is a soft salmon-pink on a deep cream ground. Awarded Silver Medal at 1937 New York Flower Show. Pkt. 15 cts., 1/2oz. 40 cts., oz. 75 cts.

Gardenia. A velvety pure white that has such waxy substance that to name it "Gardenia" seems the obvious thing to do. It is duplexed and highly fragrant. Pkt. 15 cts., 1/2oz. 40 cts., oz. 75 cts.

Hiawatha. A thrifty habit of growth, good size and extreme beauty combine in this new long-stemmed sort. An effective rose-pink. Pkt. 15 cts., 1/2oz. 40 cts., oz. 75 cts.

Hortus Queen. Robust sort, developing long, strong stalks, bearing the most perfect Spencer blooms, strongly ruffled and bright rose on a light yellow ground. Pkt. 15 cts., 1/2oz. 40 cts., oz. 75 cts.

Pearl Buck. Beautiful rich rose, with an orange suffusion on the standards which are duplexed. Pkt. 15 cts., 1/2oz. 40 cts., oz. 75 cts.

Peeress. Thrifty plant, developing a large crop of blooms, mostly four on a stalk. Charming tint of bright rose-cerise. Pkt. 15 cts., 1/2oz. 40 cts., oz. 75 cts.

Princess Blue. Vigorous, husky growth is characteristic of the vines; they carry large, bold flowers of a rich belladonna-blue. Pkt. 15 cts., 1/2oz. 40 cts., oz. 75 cts.

Red Giant. True crimson flowers, with the luster and warmth of an orange-scarlet. The best of this class introduced to date, for there is only a minimum amount of white on the base of the keel. Pkt. 20 cts., 1/2oz. 60 cts., oz. \$1.

Rhumba. The romance of Latin-America is suggested by its gay golden cerise color. A fine new sort that produces well. Pkt. 20 cts., 1/2oz. 60 cts., oz. \$1.

Skippy. The color is salmon-pink, and four or five blooms on each stalk may be expected. Pkt. 15 cts., 1/2oz. 40 cts., oz. 75 cts.

Sparks. Large, bold, orange-scarlet flowers with wide-spreading frilled standards. Pkt. 15 cts., 1/2oz. 40 cts., oz. 75 cts.

Treasure Island. Orange blooms are semi-duplexed, 2 1/2 inches across, often 4 on each 15-inch stem. Pkt. 15 cts., 1/2oz. 40 cts., oz. 75 cts.

Spring-flowering Sweet Peas

Described on page 36

B. S. Cream	B. S. White
Deep Maroon	Light Blue
Light Carmine	Light Cream-Pink
Navy Blue	Purple

Each, pkt. 25 cts., 1/2oz. \$1.25, oz. \$2

COLLECTION: 36SP. One pkt. each
8 colors, \$1.50

Rose-Pink	Blue	Lavender
Clear Pink	W. S. White	Mauve

Each, pkt. 15 cts., 1/2oz. 40 cts., oz. 75 cts.

Twilight. Four blooms per stem is the usual thing, and their color is a beautiful, appealing lavender. Pkt. 15 cts., 1/2oz. 40 cts., oz. 75 cts.

White Giant. Purest white flowers, large and waved. White seed. Pkt. 15 cts., 1/2oz. 30 cts., oz. 50 cts.

World's Fair. Flowers ruffled and mostly duplexed. The color is bright gold, overlaid with fawn, giving a light fawn-pink effect. Pkt. 15 cts., 1/2oz. 40 cts., oz. 75 cts.

Other Good Sorts

Blue Bonnet. Clear deep blue.

Clipper. Pure white; duplexed.

Delicious. Crushed strawberry and cream.

Early Florist Blue. Clear hue.

Early Giant Rose. Rose-pink.

Early Majestic Rose. Deep rose-pink.

Early Mars. Ox-blood-crimson.

Early Snowstorm. Good white; vigorous.

Early Triumph. Beautiful lilac-mauve.

Evening Star. Orange-scarlet.

Exposition Pink. Rich pink.

Florist Rose. Pure rose-pink.

Iris Blue. Deep blue; wings lighter.

Joseph. Salmon-pink.

Lavanda. Pure lavender.

Lively. Scarlet-cerise.

Navy Blue. Dark blue.

Rose Picotee. White, edged salmon.

Shirley Temple. Soft rose-pink.

Tahoe. Mid-blue.

Top Hat. Deep violet.

Valencia. Bright orange; sunproof.

Virginia. Rose on white ground.

White Harmony. Fine black-seeded white.

Zvolanek's Rose. Deep rose-pink.

Early-flowering Mixed.

Each, pkt. 15 cts., 1/2oz. 30 cts., oz. 50 cts.

Summer-Flowering Sweet Peas

For Growing in the Garden

CULTURE.—Sow seed as soon as the ground can be worked in the spring. Dig a trench about a foot wide and deep, and fill in with 6 inches of well-rotted stable manure; tread down firmly and replace the good garden soil. Draw a single straight line in the middle of the prepared surface, about 3/4 inch deep; sow seed at even distances of about 3 inches, and cover. When the plants grow about 3 to 4 inches high, thin out to 6 inches from each other. As soon as the vines reach a height of about 8 inches, proper supports should be provided.

The Sweet Pea is a moisture-loving plant, and by the month of May the plants will require water. Dress with Mulch-o-Nure, old stable manure, Sawconure or peat moss and soak well as needed.

***Abundance.** Remarkable new variety; six to nine flowers are produced in a spray. They are fairly large and of an orchid-like mauve color. Pkt. 10 cts., oz. 35 cts.

Affection. Very sweet and graceful, coral-pink on cream, growing strongly and producing its flowers on long stems—often five to a stem. Pkt. 10 cts., oz. 35 cts.

Ambition. One of the best of the large-flowered lavender sorts. The flowers are waved. Pkt. 10 cts., oz. 35 cts.

Artiste. Handsome, glowing clear geranium-pink of great beauty. Wings and standards are alike in color. Frequently four flowers to the stem, and the stems are long. Pkt. 10 cts., oz. 35 cts.

***Bonnie Ruffles.** The large, fragrant flowers are salmon-pink on rich cream, and they are borne on sturdy 10-inch stems. Gold Medal, Scottish National Sweet Pea Society, 1936. Pkt. 10 cts., oz. 35 cts.

Bountiful. Fine new Multiflora type, bearing sometimes 7 large flowers on long stems. Color is mid-blue; silver-blue at the margins. Pkt. 10 cts., oz. 35 cts.

***Bridal Veil.** Pure white. The giant flowers are beautifully frilled. Many are duplexed. Black seed. Pkt. 10 cts., oz. 35 cts.

***Capri.** We believe this to be the finest light blue ever introduced. The color is clearer and the flowers are larger than existing varieties. Pkt. 10 cts., oz. 35 cts.

Charity. This is, without a doubt, the finest rich brilliant crimson which does not burn in the sun. Pkt. 10 cts., oz. 35 cts.

Chinese Blue. Both standard and wings are deep blue. Stems are exceptionally long and usually bear four flowers. Strong-growing variety, with blooms larger than average. Pkt. 10 cts., oz. 35 cts.

***Crony.** Robust golden salmon exhibition sort. Certificate of Merit, Scottish Sweet Pea Society, 1938 trials. Pkt. 10 cts., oz. 35 cts.

Daddy Long Legs. Veined and flushed bright scarlet. Strong plant and the stems, each with four flowers, are so long as to suggest its name. Pkt. 20 cts., oz. 75 cts.

Summer-Flowering Sweet Peas

For Growing in the Garden

Diana. Immense flowers, in color a delicate rose-pink on a cream ground.

They are duplexed and are carried on long stems. Pkt. 10 cts., oz. 35 cts.

Discovery. The color is very bright and deep chamois-pink and the blooms are enormous. Pkt. 10 cts., oz. 35 cts.

Evident. Eosine-pink with a gold shading. Large, vigorous, and fine. Modern sort, exemplifying the latest development in Sweet Peas. Pkt. 10 cts., oz. 35 cts.

***Fairyland.** Rose-pink on cream. A good, rugged sort carrying 4 and 5 flowers on long, stout stems. Pkt. 10 cts., oz. 35 cts.

***Flagship.** This won the Silver Medal of the Scottish Sweet Pea Society in 1937. Long stems carry large, frilled blooms of a clear, deep blue. Pkt. 10 cts., oz. 35 cts.

Flora. The outstanding lavender variety. Color is clear lavender-lilac and the flowers are exceptionally large. A strong, vigorous variety, producing flowers on long stems. Pkt. 10 cts., oz. 35 cts.

Golden Dragon. Duplex sort of great merit. The standard is bright orange while the wings shade to a deeper orange-rose. Pkt. 10 cts., oz. 35c.

Grandeur. Shell-pink on white. The vigorous plant blooms continuously all season. Pkt. 10 cts., oz. 35 cts.

Horn of Plenty. Rose-pink. Gradually lightening toward the center to white. Gives five or six flowers on each long stem; strong-growing sort. Pkt. 10 cts., oz. 35 cts.

Ideal. Won Certificate of Merit, Scottish Sweet Pea Trials, 1939. Usually has four big rose-cerise duplexed blooms on wiry stems. A splendid sort. Pkt. 20 cts., oz. 75 cts.

***King Lavender.** The most vigorous in this hue of light clear blue. Large flowers. Pkt. 10 cts., oz. 35 cts.

Lady Ruffles. The warm glow of beautiful soft pink on a ground of white runs down to the base of the standard and wings. A robust variety. Pkt. 10 cts., oz. 35 cts.

***Life.** The brightest and most effective scarlet-cerise. Flowers freely and is decidedly sunproof. Pkt. 10 cts., oz. 35 cts.

***Mastercream.** The stems are long, and they carry beautifully frilled flowers, most of which are duplexed and cream in color. Black seed. Pkt. 10 cts., oz. 35 cts.

Maytime. Combined hues produce a rich tone—cerise with a golden overtone. Pkt. 10 cts., oz. 35 cts.

Model. A very large-flowering white with long stems. The blossoms are well waved. Seed is black. Pkt. 10 cts., oz. 35 cts.

Peer. Orange-pink on cream; vigorous plant. A.M., National S.P. Society. Pkt. 10 cts., oz. 35 cts.

Personality. A charming coral-chamois-pink that is quite sunproof. Vigorous and floriferous variety. Pkt. 10 cts., oz. 35 cts.

Pinkie. Strong stems bear a profusion of flowers throughout the season. Deep rose-pink. Pkt. 10 cts., oz. 35 cts.

***Prolific.** Multiflora type. Clusters of 5, 6, or 7 medium-large flowers. Standards rose-pink, outside of wings a shade deeper. Pkt. 10 cts., oz. 35 cts.

Rarity. On a white ground, the standard and wings are faintly flaked, while the back of the standards and wings are almost solid orange-cerise. Pkt. 20 cts., oz. 75 cts.

Collection of Outstanding Summer-flowering Sweet Peas

Twelve packets, one each of the recent introductions of merit, distinguished in the preceding list with an asterisk (*) \$1.00

Grand Prize Mixture Giant Summer-flowering Sweet Peas

We have made a carefully balanced selection of all colors and varieties of our Summer-flowering Sweet Peas for this mixture, using only the finest ruffled and long-stemmed sorts. For general use and garden display, Sweet Pea mixtures of this high type are quite satisfactory. Pkt. 10 cts., oz. 25 cts., 1/4lb. 75 cts., 1/2lb. \$1.25, lb. \$2.25.

LEGUME-AID. Nitrogen-fixing bacteria in powder form for all leguminous plants. Small garden unit for packets of sweet peas, garden peas, beans and lupins, 35 cts.



Royal Purple. The finest rich purple. Large-flowering. Pkt. 10 cts., oz. 35 cts.

Royal Ruffles. Pleasing new shade of scarlet-cerise; wings somewhat lighter than the standard. Pkt. 10 cts., oz. 35 cts.

Ruffled White. White. A chaste flower, frilled and ruffled. Splendid novelty, and invaluable for the grower of cut-flowers. Pkt. 10 cts., oz. 35 cts.

Salmon Gigantic. The plant is vigorous and the flowers are enormous, waved and frilled. A delicate salmon-pink hue, rich and bright. Pkt. 15 cts., oz. 50 cts.

Sextet Queen. Pure white. Has five or six blooms on a stalk. Pkt. 10 cts., oz. 35 cts.

The Sultan. Almost black—deep silky maroon. Large flowers on long, strong stems. Pkt. 10 cts., oz. 35 cts.

Vista. The best purple, with little trace of blue. Large flowers on long stems. Pkt. 10 cts., oz. 35 cts.

***Welcome.** Brilliant and dazzling scarlet self. Wings are the same shade as the standard. Pkt. 10 cts., oz. 35 cts.

SILENE pendula, Mixed (Catchfly). Annual. 6 in. Red, pink, or white flowers. Pkt. 10 cts., 1/4oz. 30 cts.

Alpestris. Perennial. 4 in. White flowers all summer. Pkt. 15 cts., 2 pkts. 25 cts.

Schafta (Autumn Catchfly). Perennial. 4 to 6 in. Bright pink flowers from July to September. Pkt. 15 cts., 2 pkts. 25 cts.

SISYRINCHIUM anceps (Satin Flower; Blue-eyed Grass). 1 ft. Dwarf, perennial for the rock-garden, with violet-blue flowers. Pkt. 35 cts., 3 pkts. \$1.

SOLANUM Capsicastrum (Jerusalem Cherry). Greenhouse Plant. 1 ft. Dwarf, branching plants; bright scarlet globular berries. Pkt. 15 cts., 2 pkts. 25 cts.

Capsicastrum, Fra Diavolo. Greenhouse Plant. Compact growth, with smaller and lighter foliage. Pkt. 25 cts., 5 pkts. \$1.

Clevelandi. Compact plant with small, ovate leaves and a profusion of round scarlet fruits. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Special Color Collection of Sweet Peas, Ten Colors

For the gardener who desires to grow the best Sweet Peas, but is not interested in names. Each is the most pleasing of its color, with long flower-stalks, suitable for house decoration. Each is robust, and a sort which, under favorable conditions, produces sprays of three and four fragrant blossoms.

Cream	Cream-Pink	Scarlet
Lavender	Blue	Salmon-Pink
Purple	White	Carmine
	Light Pink	

Each, pkt. 10 cts., oz. 35 cts., 1/4lb. \$1.25

SPECIAL COLLECTION
One pkt. each of these 10 distinct colors **75c**

STATICE • Sea Lavender

Annual and Perennial; Everlasting. Cloud-like flowers make borders gay, while they blend well with other Everlastings in winter. Sow outdoors in May.

Annual Varieties

- Sinuata, Kampf's.** Large blue flowers. Pkt. 15 cts., 1/4oz. 35 cts., oz. \$1.25.
Sinuata, Mauve. Clear mauve; 2 ft.
Sinuata, Rose Superba. Rose; 2 ft.
Sinuata, Blue. Rich deep blue; 2 1/2 ft.
Sinuata, White. Excellent for dyeing.
Sinuata, Yellow (S. Bonduelli). 3 ft.
Sinuata, Mixed.
Suworowi. Cloud-like masses of rose; 2 ft.
 Each, pkt. 10 cts., 1/4oz. 30 cts., oz. \$1

Perennial Varieties

- Dumosa.** 2 ft. Color effect is pure silver. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.
Latifolia. Blue; 2 1/2 ft. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.
Mixed. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

- SKIMMIA japonica.** 4 ft. Greenhouse evergreen plant with fragrant white flowers, followed by red fruits. Pkt. 35 cts.
SOLDANELLA alpina (Moonwort; Jewel of the Alps). Perennial for a shaded part of the rock-garden. Clusters of drooping pale blue bells. Pkt. 50 cts., 3 pkts. \$1.25.

- SOLLYA heterophylla** (Australian Creeping Bluebell). 5 ft. Greenhouse perennial with clusters of nodding blue blooms. Foliage evergreen. Pkt. 50 cts., 3 pkts. \$1.25.

- STACHYS lanata** (Woundwort; Lamb's-Ear). 1 1/2 ft. Ornamental bedding perennial with whitish woolly leaves and dark rose-purple flowers. Pkt. 25 cts., 5 pkts. \$1.

- STAR OF TEXAS (Xanthisma texanum).** See page 36. Pkt. 35 cts., 1/8oz. \$1.50.

- STEVIA serrata (Piqueria trinervia).** Greenhouse and Bedding Plant. 2 ft. Fragrant, pure white flowers. Excellent for cutting. Pkt. 25 cts., 1/4oz. \$1.

- STOKESIA cyanea** (Cornflower Aster). Perennial. 2 ft. Bears from 20 to 30 handsome lavender-blue cornflower-like blossoms which often measure 3 to 4 inches in diameter. Blooms from July till frost. For the perennial border and for cutting. Pkt. 15 cts., 1/4oz. \$1.

- ALPINE STRAWBERRIES. From Seed.** An abundance of small but exceedingly sweet berries may be obtained within 12 weeks of sowing seed. Sow indoors in February or March; keep moist and shaded. Plant out in early May.

- Baron Solemacher.** Red fruits.
Baron Solemacher. Yellow fruits.

Each, pkt. 35 cts., 3 pkts. \$1

- Plants of Alpine Strawberries (Red fruits only), ready May 1. \$1.50 per doz., \$8 per 100.

- STRELITZIA Reginae** (Bird-of-Paradise). 6 ft. Majestic greenhouse perennial with remarkable orange and blue flowers. Pkt. (10 seeds) \$1.50.

- STREPTOCARPUS, S. & W. Co.'s New Hybrids, Mixed** (Cape Primrose). Greenhouse Plant. Flowers about 2 inches in diameter, with long, tube-like corollas, borne in clusters of six to eight. Colors varied. Somewhat resembles the gloxinia. Pkt. 50 cts., 3 pkts. \$1.25.

- SUTHERLANDIA frutescens.** Greenhouse Plant. 2 1/2 ft. Whitish foliage and orange-red flowers followed by bladder-like pods. Pkt. 25 cts., 5 pkts. \$1.



Single Sweet William

SWEET WILLIAM (*Dianthus barbatus*)

Biennial. Well-known, attractive plant flowering the second season from seed. Sow outdoors in May; transplant in August.

Tall Varieties. Height 1 1/2 ft.

Single, Mixed. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Double, Mixed. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

Newport Pink. 1 1/2 ft. Watermelon-pink, brilliant and beautiful. Flowers on long stems. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Scarlet Beauty. Rich, deep scarlet; vivid. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Holborn Glory. Large auricula-eyed flowers. All show a clear white eye; truly superb. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Dwarf Sweet Williams. Height 9 in.

Single, Mixed Double, Mixed
 Each, pkt. 15 cts., 1/4oz. 60 cts., oz. \$2

Annual Sweet Williams. 9 in. Sown indoors during March, these will bloom freely the first year. **Mixed.** Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

TAGETES signata pumila, Little Giant. Annual. 10 in. Compact plant, with fern-like leaves. Covered with flowers of bright yellow, striped brown. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

Gnome. 6 in. A large-flowered variety with beautiful golden yellow flowers. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

TAHOKA DAISY. Sow in the open in early spring to produce plants which will bear 1 1/2-inch blue daisies from July to October. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.

TEUCRIUM Chamædryas (Germander). Perennial. 8 in. Glossy gray foliage and small pink flowers. Pkt. 25 cts., 5 pkts. \$1.

THALICTRUM adiantifolium (Meadow Rue). Perennial. 1 1/2 ft. Foliage resembles the maidenhair fern; clusters of miniature white flowers in June and July. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

Dipterocarpum. 3 ft. A gem among hardy plants; attractive in the garden and invaluable for cutting. Flower sprays are violet-mauve, brightened by a cluster of lemon-yellow stamens. Pkt. 25 cts., 1/8oz. 60 cts., 1/4oz. \$1.

THERMOPSIS. Perennial. Striking plant, producing long spikes of yellow blossoms. June, July.

Caroliniana. 4 ft. **Montana.** 2 ft.
 Each, pkt. 25 cts., 5 pkts. \$1

THUNBERGIA, Mixed (Black-eyed Susan). Annual Climber. 4 ft. Beautiful, rapid-growing climber, preferring a warm, sunny situation. Very pretty flowers in buff, white, orange, etc., with dark eyes. All colors. Pkt. 10 cts., 1/4oz. 50 cts.

THYMUS Serpyllum (Creeping Thyme). Perennial. A valuable alpine but 4 inches high, it is of trailing habit with bright lilac-purple flowers. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.

TITHONIA speciosa (Mexican Sunflower). Annual. Early-flowering strain. May be sown under glass and transplanted, or later in the open. Shrub-like plant 8 feet high. The orange-colored, daisy-like flowers are 3 to 4 inches in diameter. Pkt. 15 cts., 1/8oz. 40 cts., 1/4oz. 75 cts.

TORENIA Fournieri. Greenhouse and Bedding Annual. 9 in. For vases, hanging-baskets, borders, etc. Sky-blue flowers with bright yellow centers. Pkt. 15 cts., 1/8oz. \$1, 1/4oz. \$1.50.

TRACHELIUM caeruleum (Throatwort). 2 ft. Greenhouse plant, or perennial needing winter mulch. Flowers same year seed is sown. Blue bell-shaped flowers. Pkt. 25 cts., 5 pkts. \$1.

TRADESCANTIA virginiana (Spiderwort; Flower-of-a-Day). 2 ft. Showy everblooming native perennial with purple-blue flowers. Pkt. 25 cts., 5 pkts. \$1.

TRICYRTIS hirta (Toad-Lily). 3 ft. Perennial for shaded spots; needs winter mulching. Large, orchid-like, white, spotted purple flowers in corymbs. Pkt. 50 cts.

TRIPTERIS, Dwarf. See page 37. Pkt. 25 cts., 1/4oz. 75 cts., oz. \$2.50.

TRITOMA (Flame-Flower; Poker-Plant; Torch-Lily). Perennial. Spikes of dazzling tubular flowers. Will live through winter with a covering of leaves; or the roots may be carried over in sand in a cellar. Mixed Hybrids. Pkt. 15 cts., 1/4oz. 75 cts.

TROLLIUS (Globe Flower). Perennial. Like immense buttercups, these striking plants are very effective in the mixed border. Light soil, well drained, and a partly shaded position suit them admirably. They bloom from May to August.

Golden Queen. 4 ft. Enormous, buttercup-like golden flowers 4 inches across. Award of Merit, R. H. S., England. Pkt. 35 cts., 3 pkts. \$1.

Ledebouri. Orange; 2 ft. Pkt. 25 cts., 1/8oz. \$1.

Mixed. Shades of orange, yellow and gold. Pkt. 15 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

TUNICA Saxifraga (Tunic Flower). 8 in. Spreading perennial for the rock-garden and for edging. Covered with small lilac-pink blossoms. Pkt. 35 cts., 3 pkts. \$1.

URSINIA anethoides (*Sphenogyne anethoides*). Annual. 1 ft. Excellent for edgings. The orange, daisy-like flowers have purple and black centers. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

Anethoides, New Hybrids, Mixed. Annual. 1 1/2 ft. Each plant carries a hundred or more flowers at one time. All have florets of a delightful rich orange, but the coloring surrounding the disk varies in tone from ruby-red to dark purple. Pkt. 20 cts., 1/8oz. 50 cts., 1/4oz. 90 cts.

Aurora. Annual. 1 ft. Composite flowers, with a bright orange corolla, and a deep crimson inner ring. Pkt. 50 cts., 3 pkts. \$1.25.

GROW EVERLASTING FLOWERS, dry them and let your garden serve you during the winter as in summer. We offer a COLLECTION of 6 distinct sorts. 50 cts.

VALERIAN (Garden Heliotrope; Heal-All). Perennial. 4 ft. Pinnate foliage; panicles of scented flowers in June and July.

Red White Mixed
Each, pkt. 25 cts., 1/2oz. 75 cts., oz. \$1.25

VENIDIUM fastuosum. Annual. 2 to 3 ft. For the garden or for growth under glass. Daisy-like, orange flowers, 3 inches across, with black centers. Pkt. 35 cts., 3 pkts. \$1, 1/2oz. \$1.50.

Fastuosum Hybrids, Mixed. Annual. Mixture includes white, cream, lemon, yellow, orange, and buff. Pkt. 50 cts., 3 pkts. \$1.25.

VERBASCUM olympicum. Perennial. 5 ft. The large leaves are covered with a silvery down, and above them rises a pyramid of bright yellow flowers. Pkt. 20 cts., 1/4oz. \$1.

Phoeniceum Hybrids, Mixed. Perennial. 3 ft. Various shades from white through yellow to deep orange. Pkt. 15 cts., 1/4oz. 60 cts.

VERONICA spicata (Speedwell). Perennial. 2 ft. Useful border plant with spikes of bright blue flowers from July to September. Pkt. 15 cts., 2 pkts. 25 cts.

Incana. Perennial. 1 ft. Beautiful silvery leaves and spikes of brilliant blue flowers. Pkt. 35 cts., 3 pkts. \$1.

Allioni. Perennial. For the rock-garden. Trailing variety, growing about 3 inches high, with violet flowers. Pkt. 50 cts., 3 pkts. \$1.25.

VESICARIA utriculata (Bladder-Pod). 1 1/2 ft. Perennial for the rock-garden with yellow flowers followed by inflated pods. Pkt. 35 cts., 3 pkts. \$1.

VIRGINIAN STOCKS. Annual. Sown early, these pretty annuals are gay in the period between the spring and summer flowers, their fresh, bright colors in lines and beds producing a charming effect.

White Rose Mixed Crimson
Each, pkt. 10 cts., 1/2oz. 25 cts., oz. 40 cts.

VISCARIA, TOM THUMB. Annual. This beautiful new race is unlike others, in that the plants are compact and bushy and they bloom so freely as to be entirely covered. Flowers resemble single wild roses in miniature. 1 ft.

Blue Bouquet. Erect and bouquet-like, and the flowers are a brilliant cornflower-blue. Pkt. 35 cts., 3 pkts. \$1, 1/2oz. \$2.50.

Blue Queen. Bright blue.

Red Queen. Fiery red.

Rose Queen White Queen

Each of above four, pkt. 25 cts., 5 pkts. \$1



Virginian Stocks

VERBENAS

Mostly decumbent, creeping plants, with clusters of bright flowers; extremely showy. Sow in the open ground in May, or earlier under glass. Thin to 1 foot apart.

Giant-flowering Types

More flowers to each truss, and the individual florets are larger. They attain a height of 1 1/2 feet and, if sown outdoors early in May, may be had in bloom by July.

Etna. Vivid scarlet with small yellow eye.

Luminosa. Shades of salmon, flesh, and coral on a ground of flame-pink.

***Royale.** Royal blue, primrose-yellow eye.

***Salmon-Pink.** Even tone of salmon-pink.

Spectrum Red. Wonderful dazzling color.

***White King.** Pure white.

Mixed. A mixture of all shades.

***Crimson Glow.** Fine crimson, pure, self-colored and without a white eye. Large flower trusses.

***Lavender Glory.** Clear lavender contrasting with the cream-white centers. Large blooms. (Not entirely fixed; still a few light colors.)

Each, pkt. 15 cts., 1/2oz. 60 cts., 1/4oz. \$1
COLLECTION No. 38: 5 pkts., one each marked (*), 60 cts.

Beauty of Oxford Hybrids, Mixed. The color varies from clear rose-pink to rose-red, and makes this the brightest rose-colored Verbena. The individual flowers measure over 1 inch in diameter. Pkt. 25 cts., 1/2oz. 75 cts., 1/4oz. \$1.25.

Blue Sentinel. The plants form mats about 10 inches high. Produced with great freedom all summer are large, deep flower-heads of a royal violet-blue color; the individual florets have a white center. Pkt. 25 cts., 1/2oz. 75 cts., 1/4oz. \$1.25.

New Apple Blossom. Flowers almost white, shading to a delicate cameo-pink toward the edges, where they are a decided pink. Individual flowers are 1 1/4 inches in diameter, while the flower-head measures 4 to 5 inches. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

Floradale Beauty. A new selection from the Beauty of Oxford class. It bears large clusters of flowers of beautiful rose and salmon. Pkt. 25 cts., 1/4oz. 75 cts., oz. \$2.50.

Following are described on page 37.

Annapolis Blue. Pkt. 35 cts., 3 pkts. \$1, 1/2oz. \$1.50, 1/4oz. \$2.50.

Roseglow. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

Flamingo Red Sentinel

Above 2, pkt. 25 cts., 1/2oz. \$1, 1/4oz. \$1.50

Miniature Types

These grow only 6 to 9 inches high.

Carmine Ball. Bright carmine.

Fireball. Bright flame-scarlet.

Dark Blue Pure White

Each, pkt. 15 cts., 1/2oz. 50 cts., 1/4oz. 90 cts.

COLLECTION: Pkt. each, above 4 colors, 50c.

Mixed, pkt. 15 cts., 1/2oz. 40 cts., 1/4oz. 75 cts.

Various Verbenas

Bonariensis. 4 1/2 ft. Tall, hardy perennial producing rosy lavender flowers on long stiff stems; these are highly and sweetly perfumed, and are valuable for cut-flowers. Award of Merit, R. H. S., England. Pkt. 35 cts., 3 pkts. \$1, 1/2oz. \$1.50.

Erinoides (Moss Verbena). Moss-like spreading foliage and purplish blue blossoms. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

Venosa (Hardy Garden Verbena). 1 ft. Purple flowers all summer. Pkt. 15 cts., 1/2oz. 40 cts., 1/4oz. 75 cts.



Viola tricolor

VIOLAS • Tufted Pansies

Perennial. Violas bloom so freely and for so long that they are often preferred to pansies. The colors are particularly clear.

Viola cornuta Hybrids

Blue Gem (Jersey Gem). 4 in. Pleasing shade of deep violet-blue, with an occasional slight variation in tint. Will come about 70 per cent true from seed. Pkt. 25 cts., 1/2oz. \$2.75, 1/4oz. \$5, 1/4oz. \$9.

Apricot Gem. An unusually fine shade, blending into a deep orange center. Splendid when planted with Blue Gem. Pkt. 25 cts., 1/2oz. \$1.50, 1/4oz. \$2.50, 1/4oz. \$4.

Lutea splendens. Glowing yellow.

White Perfection. Splendid white.

Above 2, each, pkt. 25 cts., 1/2oz. \$1.25, 1/4oz. \$2.25

Cornuta, Mixed. Pkt. 20 cts., 1/4oz. \$1.

Large-flowering Hybrid Violas

Arkwright Ruby. Terra-cotta on crimson. Fragrant. Pkt. 50 cts., 1/2oz. \$2.50.

Blue Butterfly. A perfect bedding Viola. The color is a mid-blue shading to white. Pkt. 35 cts., 1/2oz. \$1.25.

Chantreyland. Fine shade of apricot; the best in this color to date. Pkt. 50 cts., 3 pkts. \$1.25, 1/2oz. \$2, 1/4oz. \$3.50.

Odorata (Sweet Violet). 4 in. Violet-blue flowers; fragrant. Pkt. 25 cts., 5 pkts. \$1.

Odorata, The Czar. Deep violet flowers, large and fragrant. Pkt. 35 cts., 3 pkts. \$1.

Finest Mixed. Pkt. 25 cts., 5 pkts. \$1.

Tricolor (Johnny-jump-ups). These cheerful and popular little "Pansy Faces" are easy to grow, and they will self-seed without further attention. Flowers are purple, blue, and yellow. Pkt. 25 cts., 1/2oz. \$1, 1/4oz. \$1.50.

VINCA (Madagascar Periwinkle; Old Maid). Annual. 1 ft. Begins blooming in August from seed sown outdoors in May; blooms earlier if sown indoors in March.

Alba. Pure white. **Rosea.** Rose.

Rosea alba. White with rosy eye.

Each, pkt. 25 cts., 1/4oz. \$1, oz. \$3.50

Mixed. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50



Zinnia linearis

VOLUTARIA, Star of the Desert. 1½ ft. Annual resembling centaurea, rose-pink, with lilac suffusion. Useful cut-flower, but not for beds because of its straggling habit. Sow in the garden in spring where you wish it to flower. Thin to 9 inches. Pkt. 25 cts., 5 pkts. \$1, ¼oz. \$1.50.

XERANTHEMUM, Mixed. Annual; Everlasting. 2 ft. Edging plant. The dried flowers are useful for winter decoration. Pkt. 10 cts., ¼oz. 25 cts., oz. 75 cts.

YUCCA filamentosa (Adam's Needle; Silk Grass). Ornamental evergreen perennial, producing a 6-foot branched panicle of creamy white flowers. Pkt. 35 cts.

ZAUSCHNERIA californica (Humming Bird's Trumpet; California Fuchsia). 1 ft. Decumbent rock-garden perennial, with small grayish leaves and scarlet fuchsia-shaped blooms. Pkt. 35 cts., 3 pkts. \$1.

WALLFLOWERS

These half-hardy annuals and perennials are grown for early spring bedding and for their delightful fragrance. Perennial sorts should be sown in autumn and carried over in coldframe; annual sorts may be sown indoors in March and will flower the first year.

New Annual Wallflower, Extra-Early Double

If seed of this variety is sown in early spring, it will be in full bloom by June. The flowers are equal in size to those of the perennial double varieties, and are perfumed.

Canary-Yellow Golden-Yellow Mixed

Each, pkt. 15 cts., ¼oz. 60 cts., ½oz. \$1

Single Annual Varieties

Early Parisian. Gold, shaded orange-red.

Early Blood-Red. Red, orange shaded.

Early Golden Gem. Yellow.

Each, pkt. 10 cts., ¼oz. 30 cts.

MIXED, pkt. 10 cts., ¼oz. 25 cts.

Perennial Varieties

The following mixtures are hardy but should be sown in fall, carried over winter in a frame, and planted out in spring.

Single, Mixed. Pkt. 15 cts., ¼oz. 60 cts.

Double, Mixed. Pkt. 25 cts., 5 pkts. \$1.

The Gorgeous Zinnia • Youth and Old Age (ANNUAL)

The seed may be sown in a hotbed or sunny window and transplanted, or sown later in the open ground. The plants come into flower early in the summer and keep on blooming until hard frost. Splendid for garden decoration and for cutting.

Giant Double Dahlia-flowered

The plants attain a height of 3 feet, producing mammoth flowers averaging 6 inches across by 3 to 4 inches in depth, similar in shape to the decorative dahlia, with the same fullness of the petals.

***Canary Bird.** Clear yellow.

***Crimson Monarch.** Flaming crimson.

***Dream.** Deep lavender-blue.

***Exquisite.** Light rose.

***Golden Dawn.** A pure clear golden yellow.

***Oriole.** Orange and gold.

***Polar Bear.** Large; finest pure white.

***Scarlet Flame.** Bright scarlet.

***Youth.** Beautiful light rose.

Each, pkt. 15 cts., ¼oz. 60 cts., oz. \$2

Mixed, pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50

COLLECTION No. 56: Pkt. each, 4 marked *, 50 cts.

These enormous flowers are shown in color on page 52.

Dwarf Double-flowering

This type is very satisfactory for borders or cutting. Perfect flowers. 1½ ft.

Crimson
Canary-Yellow
White
Golden

Salmon-Rose
Scarlet
Mixed

Each, pkt. 10 cts., ¼oz. 35 cts., oz. \$1.25

MIDGET ZINNIAS. A dwarf type, excellent for cut-flower purposes. Some entrancing colors are to be found in this class.

***Canary Gem**

***Golden Gem**

***Salmon Gem**

***Scarlet Gem**

***Crimson Gem**

***Pink Gem**

***White Gem**

***Mixed Gems**

Each, pkt. 15 cts., ¼oz. 60 cts., oz. \$2

COLLECTION No. 55: Pkt. each, 6 marked *, 50 cts.

CUPID ZINNIAS. Compact little plants, less than 1 foot high, are covered with small, button-like flowers. Excellent for edging.

***Pixie.** Bright yellow. **Tiny Tim.** Scarlet.

***Snowdrop.** White. **Cupid, Mixed.**

Each, pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50

MEXICAN ZINNIAS, Mixed (*Z. Haageana*). Spreading plants with flowers suggestive of French Marigolds; some double, some single; many semi-double. Shades of yellow, red, or brown; also spotted and striped. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

NAVAJO ZINNIAS, Mixed. 18 in. Medium-sized, double and semi-double flowers with long, narrow, incurved or fluted florets, each of which is tipped with a lighter contrasting color. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

LINEARIS. Ideal for window-boxes, beds of cut-bloom. Growing 10 inches high and spreading 2 feet within six weeks of sowing, it is covered with medium-sized, single, daisy-like flowers with outer florets golden orange and center eye darker. Pkt. 25 cts., ¼oz. 75 cts., oz. \$2.50.

PUMILA PICOTEE, Mixed. The petals are ruffled and curled, giving a light, dainty effect, and each is beautifully picoteed. All colors. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Mammoth California Giants

When in full bloom, they reach an enormous size, yet their flatness gives them a most graceful appearance. They grow to a height of 3 feet, and the fine double blooms will sometimes average a diameter of 6 inches.

***Brightness.** Bright pink.

***Cerise Queen.** Cerise-rose.

***Enchantress.** Light rose, deeper center.

***Lemon Queen.** Lemon-orange.

***Miss Willmott.** Soft pink.

***Orange Queen.** Golden yellow.

***Orange King.** Cadmium or burnt-orange.

***Purity.** Pure white.

***Rose Queen.** Bright rose.

***Scarlet Gem.** Glowing scarlet.

***Violet Queen.** Shade of violet.

Each, pkt. 10 cts., ¼oz. 35 cts., oz. \$1.25

Mixed, pkt. 10 cts., ¼oz. 30 cts., oz. \$1

COLLECTION: Pkt. each, 6 marked *, 50 cts.

Various Zinnias

Crown o'Gold, Desert Gold. 2½ ft. The light and deeper hues of gold are here; striking in the garden or for cut-bloom. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Crown o'Gold, Pastel Tints. See page 51. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

Scabious-flowered Hybrids, Mixed. Flowers have wider outer rays, but the inner section has tubular florets. Colors include crimson, scarlet, orange, yellow, pink, and white. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Scabious-flowered, Autumn Tints, Mixed. Orange, bronze, russet, dull red, carmine, terra-cotta, and intermediate shades. Pkt. 25 cts., ¼oz. 75 cts., oz. \$2.50.

Sunburst. A full, rounded center of small florets is surrounded by longer, broader ones. They are 1½ to 2 inches across and are a pure, vivid, dazzling canary-yellow. Pkt. 20 cts., ¼oz. 75 cts., oz. \$2.50.

Uniflora Giants. Unusual in that only one flower grows on each plant, but the solitary flower is enormous (5½ inches in diameter). The plant does not branch but grows to its full 3 feet. We offer a mixture. Pkt. 50 cts., 3 pkts. \$1.25.

Following described on page 37.

Black Ruby. Pkt. 25 cts., ¼oz. 75 cts., ½oz. \$1.25.

Howard Crested. Pkt. 25 cts., ¼oz. \$1.25, ½oz. \$2.

Campfire **Royal Purple**
Above 2, pkt. 25 cts., ¼oz. 75 cts., oz. \$2.50

Fantasy Zinnias. See page 37.

White Light **Rosalie**
Orange Lady **Stardust**

Above 4, pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50

Wildfire. Pkt. 25 cts., ¼oz. 75 cts., oz. \$2.50.

COLLECTION 18: Pkt. each, 5 colors, 60 cts.

Fantasy Mixed. Pkt. 10 cts., ¼oz. 35 cts., oz. \$1.25.

LILLIPUT ZINNIA, Pastel Shades

Beautiful little ball-shape blooms for cut-flowers and for bedding. In the mixture are apricot, peach, cream, shell-pink, salmon, rose, and orchid. Height, 1 foot. These are illustrated on front cover.

Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50

Collections of Flower Seeds

These Collections are time-saving, money-saving, and dependable. The packets which comprise them are from our regular stock and of full size. The seeds they contain are of high quality. They make ideal gifts

COLLECTION No. 59A

12 Packets, Most Popular Annuals

\$1.00

Alyssum, Little Gem
Aster, Midseason Gt. Azure-Blue
Candytuft, Hyacinth-flowered White
Cornflower, Blue Boy
Hunnemannia (Yellow Tulip Poppy)
Larkspur, Blue Spire

Mignonette, Allen's Defiance
Nasturtium, Large-flowered, Dwarf
Phlox Drummondii, Finest Mixed
Salpiglossis, Brown with Gold
Shirley Poppy, All Shades, Mixed
Zinnia, Dahlia-flowered, Mixed

COLLECTION No. 59B

12 Packets, Annuals for Rock-Gardens

\$1.00

Ageratum, Blue Perfection
Alyssum, White Carpet
Brachycome, Blue Star
Candytuft, Crimson
Dianthus chinensis
Dimorphotheca aurantiaca

Ice Plant
Linum grandiflorum rubrum
Lobelia, Crystal Palace
Portulaca, Single, Mixed
Tagetes, Little Giant
Virginian Stock, Mixed

COLLECTION No. 59E

12 Packets, Annuals for Cut-Bloom

\$1.00

Antirrhinum, Tall, Mixed
Arctotis grandis
Aster, Wilt-resistant, Late Br., Mixed
Calendula, Orange King
Cosmos, Early Express Mixed
Gypsophila elegans alba

Helichrysum, Double Mixed
Marigold, African, Mixed
Scabiosa, Tall, Mixed
Stocks, Giant Imperial, Mixed
Sweet Peas, Spencer, Mixed
Zinnia, Dahlia-flowered, Mixed

COLLECTION No. 59G

12 Packets, Most Popular Perennials

\$1.50

Alyssum saxatile
Aquilegia, Long-spurred, Mixed
Arabis alpina
Chrysanthemum, Alaska (Shasta Daisy)
Coreopsis grandiflora
Delphinium, Gold Medal Hybrids

Dianthus, Double Plumarius, Mixed
Digitalis, Giant Shirley, Mixed
Forget-Me-Not, Royal Blue
Gaillardia grandiflora
Poppy, Oriental
Pyrethrum Hybrids, Double

COLLECTION No. 59H

12 Packets, Perennials for Rock-Gardens

\$1.50

Alyssum saxatile
Arabis alpina
Armeria, Large-flowering
Campanula carpatica
Candytuft sempervirens
Cheiranthus Allioni

Dianthus Allwoodi, Mixed
Geum, Lady Stratheden
Linum perenne
Polyanthus, Giant, Mixed
Poppy, Iceland
Sedum acre



COLLECTION No. 59K

12 Packets, Perennials for Cut-Bloom

\$1.50

Achillea Millefolium roseum
Aquilegia, Long-spurred, Mixed
Aster novæ-angliæ, Mixed
Centaurea montana
Chrysanthemum, Alaska
Coreopsis grandiflora

Delphinium, Gold Medal Hybrids
Gaillardia, Copper-Red
Gypsophila paniculata
Pentstemon, Giant Hybrids
Pyrethrum, Double Hybrids
Scabiosa caucasica

OTHER COLLECTIONS

Our Selection of Best Varieties

No. 59 C. 12 Packets, Annuals for Shady Gardens	\$1 00
No. 59 D. 12 Packets, Sweetly Perfumed Annuals	1 00
No. 59 F. 12 Packets, Annual Climbing Plants	1 00
No. 59 J. 12 Packets, Perennials for Shady Gardens	1 50
No. 59 L. 6 Packets, Sweetly Perfumed Perennials	75
No. 59 M. 6 Packets, Everlasting Flowers, 5 Annuals, 1 Perennial	50

FLOWER SEED MIXTURES

GLAMOUR GARDEN MIXTURE. Over 50 of the most striking annuals for cut-bloom. Pkt. 25 cts., ½ oz. 60 cts., oz. \$1.

WILD-FLOWER MIXTURE. Seeds of native plants. No garden hybrids or "tame" plants included in this mixture. Suitable for broadcasting in odd corners, when hiking, etc. Pkt. 15 cts., oz. 60 cts., ¼ lb. \$2, lb. \$7.50.

MIXED SEEDSMAN'S FLOWERS. All the varieties in our establishment are contained in this mixture, which is mostly an assortment of cultivated types. Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts., lb. \$2.50.

ROCK-GARDEN MIXTURE. All the dwarf flowers, cultivated and wild, annual and perennial, that are suitable for the rock-garden. Sow it amid the rocks and boulders of your Westchester or Connecticut home. There is a peculiar charm about plants that seem spontaneously to appear some months later. Mix seed with fine soil, 1 ounce to a paiful, and broadcast the mixture freely. Pkt. 15 cts., ½ oz. 60 cts., oz. \$1, ¼ lb. \$3.50, lb. \$10.

ORNAMENTAL GRASSES

The annual varieties are principally grown for their beautiful flower panicles which when dried are useful for bouquet work. Perennial varieties are valuable for borders or massed between shrubs or on the lawn.

Sow outside in May, transplant or thin out when large enough to handle. If flower-heads are cut before they are ripe, they will keep for a long period.

BRIZA maxima (Quaking Grass). 1 ft.
COIX Lacryma-Jobi (Job's Tears). 3 ft.
ERAGROSTIS elegans (Love Grass). 1 ft.
PENNISETUM longistylum (Plume Grass). 2 ft.

ZEA japonica (Striped Corn). 5 ft.

Five above are annuals; five below are perennials

ERIANTHUS Ravennæ. 4 ft.
EULALIA japonica foliis vittatis. 4 ft.
GYNERIUM argenteum (Pampas). 6 ft.
PENNISETUM Ruppelianum. 3 ft.
STIPA pennata (Feather Grass).
Each, pkt. 15 cts.

COLLECTION: Pkt. each, 10 varieties, \$1.25

SEEDS OF CONIFEROUS TREES

Red or Norway Pine (*Pinus resinosa*). A native of our Adirondack Mountains, the New England and Great Lakes States. One of our finest eastern trees. Pkt. 25 cts.

Western Yellow Pine (*Pinus ponderosa*). A fine western tree, which also grows under eastern conditions. Native from British Columbia to Mexico and Texas; perfectly hardy in our eastern climate. Pkt. 25 cts.

White Pine (*Pinus strobus*). One of the most widely distributed American trees, growing in all parts of the United States, except the Rocky Mountains. Pkt. 25 cts.

Colorado Spruce (*Picea pungens*). A Rocky Mountain type from which the finer varieties of Blue Spruce have been developed. Generally 50 per cent of the seeds will yield true blue trees. Pkt. 25 cts.

Sitka Spruce (*Picea sitchensis*). One of the finest trees growing in the United States; its lumber is used in aeroplane manufacture. Pkt. 25 cts.

American Tree Seeds, Mixed. Includes the above, along with Pitch Pine, American Arborvitæ and others. Pkt. 50 cts.



Amaryllis

AMARYLLIS

S. & W. Co.'s Giant Hybrids

For the conservatory, greenhouse, or window-garden. Our strain produces vigorous stems with from four to six blooms of perfect form and wonderful color combinations. Pot up the bulbs and water well; store in a cool, dark place for a month; then bring to the light. They may be had in bloom in 6 to 8 weeks.

They may then be set outdoors to allow the foliage to die down; bring them indoors in November to start for the next season.

May also be grown in the open. Plant from mid-May on, and lift the bulbs in October.

Crimson Shades.

Near White. 95 per cent pure white flowers.

Orange-Scarlet Shades.

Striped White, Red, and Pink Shades.

Any above, Large Bulbs, \$1 each, \$9.50 for 10

Mixed Colors. Combination of above colors. 75 cts. each, \$6.50 for 10.

Lycoris squamigera (Amaryllis Halli). It is perfectly hardy and produces attractive green foliage in early spring, which later dies away. About two months later the flower-stalk appears, growing about 2 feet high and developing an umbel of large, lily-shaped, delicate pink flowers, shaded with clear blue. \$1.50 each, \$12.50 for 10.



Anemone, Excelsior

Flowering Bulbs and Roots

We supply 3 or more bulbs of a variety at the 10 rate, 25 at the 100 rate

BEGONIAS TUBEROUS-ROOTED

Splendid for shady borders or beds

Provide a pan or box, and cover the bottom with one inch of sphagnum moss, placing the bulb on top and covering with another layer of sphagnum moss. They should be kept moist and moderately warm. As soon as roots appear, plant in pots in a light soil, one inch below the surface, and water cautiously until the plant has shown growth, then increase the amount. Good drainage is essential. Or the bulbs may be planted outdoors 8 inches apart in the latitude of New York about the middle of May. We offer large bulbs 1½ inches and up.

These beautiful subjects are especially valuable for planting in moist shaded areas, where they do well.

Bulbs may be lifted in autumn, stored in a cool damp place over winter.

Double Carnation-flowered

Blooms 5 to 6 inches across. Brilliant as the jewels of an Eastern potentate, these flowers may be grown with surprising ease. Merely plant the bulbs outdoors, from mid-May on, 8 inches apart and 3 inches deep. They grow well in the shade. You can get them to flower earlier in the summer if you plant them indoors in March or April and transplant into the open when warm weather arrives.

Apricot	Pink	Yellow
Crimson	Scarlet	Mixed
	White	

Single Frilled and Ruffled

We offer this delightful new type which is superior to the plain-edged kind.

Apricot	Pink	Yellow
Crimson	Scarlet	Mixed
	White	

Double Camellia-flowered

An improved double strain which greatly resembles the camellia in form of flower.

Apricot	Pink	Yellow
Crimson	Scarlet	Mixed
	White	

Bulbs of any of the above three Begonias, 20 cts. each, \$1.60 for 10, \$15 per 100

Multiflora

Plants are covered all summer with semi-double and double flowers of great brilliance, 2 to 3 inches across. These are illustrated on the back cover. Height 15 inches.

Rose Shades Pink Shades Red Shades
Orange Shades Salmon Shades

Any of the above, 35 cts. each, \$3 for 10, \$25 per 100

COLLECTION CB42: Five tubers, one of each of the above shades, \$1.50

Hardy Begonia, Evansiana

A perfectly Hardy Begonia which will live outdoors during the winter if protected with just a few leaves. Its showy pink flowers are borne with the greatest profusion during September and October. Height 2 to 2½ feet. 50 cts. each, \$4.60 for 10, \$40 per 100.



Carnation-flowered Tuberous Begonia

ACHIMENES

Bulbous greenhouse plants which may also be planted outdoors in a sheltered situation, lifting the bulbs in the autumn. The foot-high plants have tubular gloxinia-like blooms. Purple. Lavender. White. White with Pink Eye. Temporarily unavailable, on account of European war.

ANEMONE

Excelsior Mixture. The plants are taller in growth than the St. Brigid and more single. It contains many fine shades of blue, white, scarlet and crimson, in a well-balanced mixture. 60 cts. for 10, \$5 per 100.

CALADIUM ESCULENTUM

Elephant's Ear

Very frequently used as border plants about a residence, where their large, rich green leaves, often 4 feet long and 2½ feet wide, contrast with the colors of the dwelling. Plant outdoors about June 1.

	Each	10	100
Mammoth-size Bulbs...	\$0 20	\$1 70	\$15 00
Jumbo-size Bulbs.....	30	2 75	25 00

FANCY-LEAVED CALADIUMS

Few, if any, of the summer foliage plants equal the Fancy-leaved Caladiums in their rich and gorgeous, yet soft, coloring. All the varieties are of marvelous beauty for the furnishing of the conservatory during the summer months, or even for outdoor bedding in shady or semi-shady positions. Bulbs do best if started in pots, planting one bulb to a 6-inch pot. Plant and handle similar to indoor culture of tuberous-rooted begonias.

These are illustrated in color on page 77.

	Each	10	100
Ten Extra-Choice Named Varieties.....	\$0 35	\$3 25	\$30 00
Extra-Choice Mixture of Named Varieties.....	30	2 75	25 00

Note especially the HARDY Begonia listed on this page. Here is a worth-while novelty for your perennial border.

STUMPP & WALTER CO.

ELIMINATE MOLES

from your garden and lawns with MOLEFUME cartridges. Ignited and set in the runs they asphyxiate with monoxide gas. Box of 6 cartridges, 90 cts. . . . See page 136

Flowering Bulbs and Roots

We supply 3 or more bulbs of a variety at the 10 rate, 25 at the 100 rate

CALLAS

Plant in the open border when danger from frost is over. When tops are killed by frost, dig and store same as Gladiolus. The Yellow and Pink Callas are also excellent pot-plants.

Golden Yellow (*Richardia Elliottiana*). This is the best of the Yellow Callas, its flowers being as large as the popular white winter-flowering variety, and of a rich, lustrous golden yellow of velvety texture; the foliage is dark green, with a number of translucent creamy white spots. Shown in color on page 78. Strong bulbs, 35 cts. each, \$3 for 10, \$25 per 100.

Pink (*Zantedeschia Rehmanni*). A lovely dwarf Calla. Rose-pink flower maturing cerise. Selected bulbs 75 cts. each, \$7 for 10, \$60 per 100.

CANNAS

Roots may be planted in 4- or 5-inch pots or shallow boxes in March or April and kept in a warm place to start them into growth. The started plants may be planted out about May 20 to June 10 in the vicinity of New York; earlier in the South and later in the North. They should be set about 2 feet apart. Dormant roots may be planted outdoors in May.

Ambassador. Flowers rich cherry-red. Rich bronze foliage and stalk. Height 4 feet.

City of Portland. Deep rich pink. Green foliage. Height 5 feet.

Eureka. The finest white variety. Green foliage. Height 4 feet.

King Humbert. Flowers of gigantic size, brilliant orange-scarlet, with bright red markings. Foliage bronze. Height 5 feet.

King Midas. Large flowers of a rich pure yellow. Green foliage. Height 4 feet.

Mrs. Alfred Conard. Large blooms of salmon-pink, with rich dark green foliage. Height 5 feet.

The President. Rich glowing scarlet, with immense flowers 7 inches across. Foliage a rich deep green. Height 5 feet.

Wintzer's Colossal. One of the largest-flowering Cannas. Blooms bright deep scarlet. Height 5 feet.

Wyoming. Large flowers of deep orange, with bronze foliage. Height 6 feet.

Yellow King Humbert. Flowers yellow, spotted red. Green foliage. 5 feet.

Selected roots, any of above, 15 cts. each, \$1.25 for 10, \$10 per 100

CINNAMON VINE

Dioscorea Batatas

A beautiful, rapid-growing summer climber, with bright green, glossy foliage, and spikes of deliciously cinnamon-scented, white flowers. It is perfectly hardy, the stem dying down in winter, but growing with great rapidity in the spring, so as to cover any trellis or arbor very early in the season. Selected roots, 15 cts. each, \$1.25 for 10, \$9 per 100.

DICENTRA SPECTABILIS

Bleeding-Heart or Seal Flower

An old-fashioned favorite, with long racemes of graceful heart-shaped pink flowers that are always attractive. We offer only extra-strong clumps which will make fine specimen plants first year after planting. 55 cts. each, \$5 for 10, \$42.50 per 100.

GLOXINIA

This is, perhaps, one of the handsomest of summer-blooming, tuberous-rooted plants and should be grown more by the amateur than it has been. As a pot-plant for the window-garden it is excellent. The main points to observe are: proper care in watering, good drainage, and properly mixed soil. The cultural directions given for begonias might also be followed for starting and growing Gloxinias. One bulb is usually used for a 4-inch pot.

Sky Blue	Bright Red . Green foliage.
Deep Violet	Bright Red . Red foliage.
Dark Blue	Scarlet, White Band
Midnight Blue	Pure White
Pink	Spotted, Various Colors
Crimson	Choice Mixed

Any of above, 35 cts. each, \$3.25 for 10, \$30 per 100

HYACINTHUS CANDICANS

Luxuriant, free-growing, summer-flowering plant; spreads 2 to 3 feet, with spikes 4 to 5 feet in height, each bearing twenty to thirty large, white, bell-shaped flowers. Choice bulbs, 15 cts. each, \$1.25 for 10, \$10 per 100.



Glory Lily

GLORY LILY

Gloriosa rothschildiana

Tuberous-rooted greenhouse climber; or may be grown outdoors, provided the roots are lifted before frost. The truly remarkable waxy, lily-like flowers are 3 inches across and have prominent curved stamens; perianth is crimson, banded with gold and near-white at the center, reflexed and waved.

Easy to grow provided you start with good tubers; plant them in a sunny position, and water generously in dry weather. May be pinched to produce somewhat bushy yet trailing plants for an unusual flower-bed. \$1 each, \$9 for 10, \$75 per 100.



Cannas in border



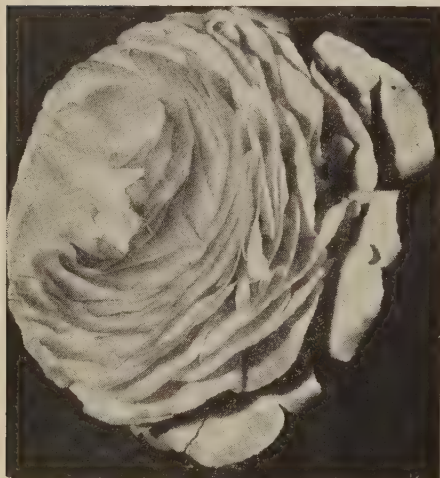
Gloxinia



Hyacinthus candicans

Flowering Bulbs and Roots

We supply 3 or more bulbs of a variety at the 10 rate, 25 at the 100 rate



Ranunculus, Tecolote Giant

ISMENE CALATHINA

Pancratium Lily; Peruvian Daffodil

A choice flowering bulb, blooming profusely during the summer. Clusters of large, strikingly fragrant, pearly white flowers. Bulbs should be planted out the middle of May; they will commence flowering in July. Before freezing weather sets in, they should be lifted and kept in a warm, dry place.

	Each	10	100
Mammoth bulbs	.....	\$0 30 \$2 50	\$20 00
Jumbo bulbs	.....	45 4 00	35 00

MADEIRA VINE

Climbing Mignonette. A vine which will cover a large space in a short time. Fleshy heart-shaped leaves, and racemes of feathery fragrant flowers. Protect with litter in winter. 15 cts. each, \$1.25 for 10, \$10 per 100.

MONTBRETIAS

This delightful bulbous plant blooms from July until frost and is excellent for cutting. Bulbs should be planted outdoors during April and May. They require a protection of leaves or litter if planted in a permanent location. We offer 4 distinct varieties of the Earlham Hybrids:

Goldfinch. Bright golden yellow, with maroon blotches in the throat.

His Majesty. Very large, wide-open flower. Brilliant scarlet-yellow, center shading to scarlet.

Queen of Spain. Very large flowers of brilliant deep golden orange, reverse of petals golden apricot.

Una. Rich apricot, with carmine blotch; well-shaped flowers of splendid substance.

Any of above, 25 cts. each, \$2 for 10, \$18 per 100

Four Fine Standard Varieties

California. Deep golden yellow.

Fire King. Glowing scarlet.

Talisman. Deep orange.

Transcendent. Orange-scarlet.

Any of above, \$1 for 10, \$2 for 25,
\$7.50 per 100

Mixed Large-flowering Varieties. \$1 for 10, \$7.50 per 100.

OXALIS

This excellent summer-blooming bulb is fine for edging the borders of walks or flowerbeds.

American Shamrock. Pink flowers; clover-like leaves spotted maroon. Shown in color on page 78.

Deppei alba. Small white flowers. Mostly four-leaved-clover-like foliage. Ideal companion to the American Shamrock.

Above two, 35 cts. for 10, \$2.50 per 100,
\$20 per 1000

RANUNCULUS (*Buttercup*)

S. & W. Co.'s Tecolote Giant Mixed. Improved strain. The flowers are fully double, blended with giant semi-double. Our mixture consists of shades of orange, red, yellow, and pink. Plant bulbs during May; north of Washington they require a mulch for winter protection. 60 cts. for 10, \$5 per 100.

TIGRIDIA (*Mexican Shellflower*)

This grows well in the open ground in summer as far north as New England and gives a continuous display of gorgeous color from midsummer to frost. A writer in the *Ladies Home Journal* has this to say about it:

"This brilliant silken triangle unfolds from its long slender bud and bursts into sharply contrasting tints of fire, leaping from bright yellow to molten orange and vivid scarlets, and is eagerly sought as a rare but sturdy garden novelty."

CULTURE.—Give the bulbs the same treatment as gladiolus; that is, plant them 4 inches deep and at least 6 inches apart, any time after May 15. The plant thrives in a sunny situation but needs an abundance of water.

Our improved strain is a mixture including a wide range of colors—white with spotted cup, white with rose sheen, rose, yellow with suffusion of red, yellow with spotted cup, and brilliant scarlet. \$1 for 10, 100 bulbs \$7.50.



Montbretias



Tuberose, Excelsior Double Pearl

SCHIZOSTYLIS

Kafir Lily; Crimson Flag

Greenhouse plant, but pots may be plunged outdoors in summer for a fine bedding effect. Growing 2 feet high, it has iris-like flowers, 2 inches across and deep crimson in color. 40 cts. each, \$3.50 for 10, \$30 per 100.

TUBEROSES

Delightfully fragrant and beautiful. By skillful management a succession may be obtained the year round. For early flowers they can be started from February to April in the greenhouse or hotbed. For flowering in the open border, plant in May and June.

Excelsior Double Pearl. White; double-flowering. Jumbo Exhibition Bulbs, 10 cts. each, 90 cts. for 10, \$7 per 100.

Albino. A single white variety blooming in July or August. 15 cts. each, \$1.25 for 10, \$10 per 100.

VALLOTA

Scarborough Lily

Purpurea. A rare member of the Amaryllis family from South Africa bearing brilliant flowers of bright red. Not hardy, it should be potted up in the autumn after it has finished blooming and be carried over winter inside. Increases rapidly. Water sparingly. Selected bulbs, \$1 each, \$9.50 for 10, \$90 per 100.

ZEPHYRANTHES

These are very useful for the open border. They are easily managed, requiring the same treatment as the gladiolus, and can be planted at the same time, but more closely.

Rosea. Dark pink. 75 cts. for 10, \$6 per 100.

THREE FINE GLADIOLUS

(SWORD LILIES)

Immense blooms, brilliant red, pure white and near-blue, open progressively on tall, straight stems about 4 feet high.

You should plant some of them every two weeks in the latitude of New York for a succession of bloom. Begin around April 25 and continue to June 25. They bloom in about 12 weeks.

Dig the corms (bulbs) every autumn, keep them from frost and replant the following spring.

National Colors Collection

The red, white and blue sorts illustrated.

15 bulbs, 5 each	\$0 80
30 bulbs, 10 each	1 50
75 bulbs, 25 each	3 50



SUNSET LILY. *Lilium pardalinum giganteum*
Selected bulbs, 30 cts. each, \$2.75 for 10,
\$25 per 100

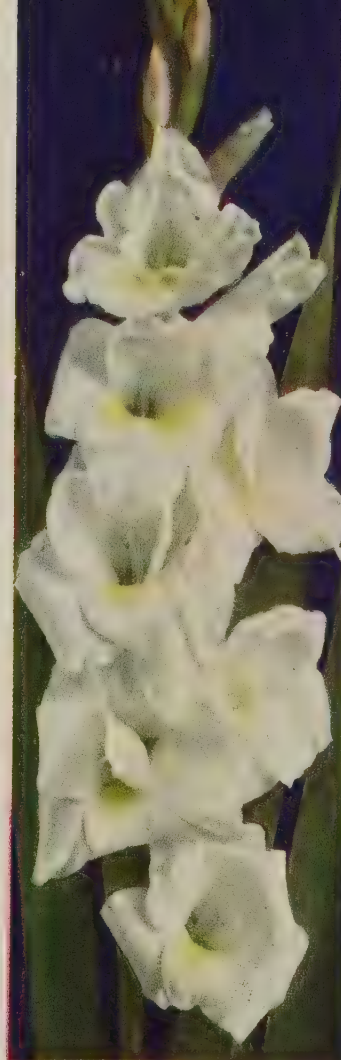
In gorgeous full bloom during July.
Height 5 to 8 ft.



ROYAL LILY. *Lilium regale*
Selected bulbs, 15 cts. each, \$1.40 for 10, \$12 per 100
In gorgeous full bloom during July.
Height 4 to 6 ft.

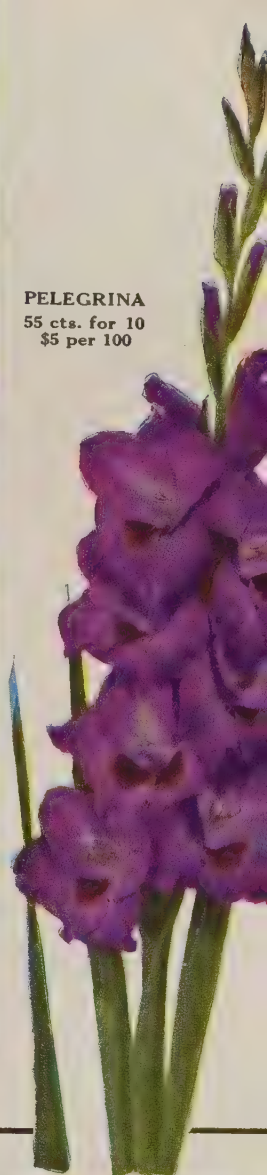


COMMANDER KOEHL
55 cts. for 10, \$5 per 100



MAID OF ORLEANS
55 cts. for 10, \$5 per 100

PELEGRINA
55 cts. for 10
\$5 per 100



THREE SPLENDID LILIES

COLLECTIONS OF LILIES

3 bulbs, 1 each (value 70 cts.)	\$0 60
6 bulbs, 2 each (value \$1.40)	1 15
12 bulbs, 4 each (value \$2.80)	2 25
24 bulbs, 8 each (value \$5.60)	4 25



CORAL LILY. *Lilium tenuifolium*
Selected bulbs, 20 cts. each, \$1.75 for 10,
\$15 per 100

In gorgeous full bloom during June
Height 2 ft.



Fancy

Leaved

CALADIUMS

Few foliage plants equal these in their gorgeous, yet soft, coloring. They are splendid for outdoor bedding in moist, shady or semi-shady positions and they are invaluable for conservatory decoration. Plant in the garden from May 1 on; some gardeners start them indoors in pots for planting out later, allowing one bulb to a 6-inch pot.

Ten Extra-Choice Named Varieties,
35 cts. each, \$3.25 for 10, \$30 per 100.

Extra-Choice Mixture of Named Varieties, 30 cts. each, \$2.75 for 10, \$25 per 100

FIVE FINE MINIATURE DAHLIAS



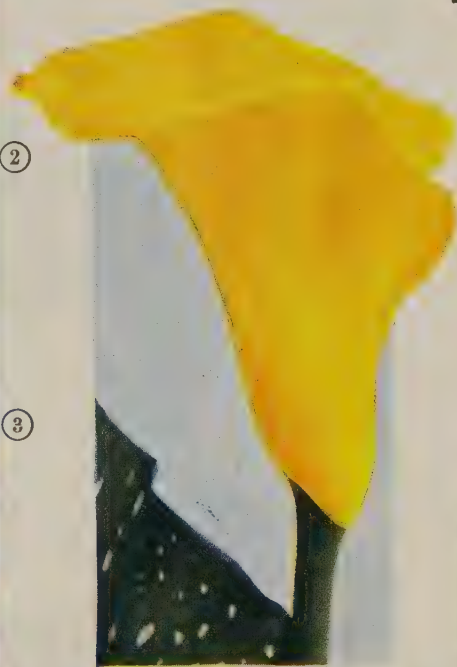
MINIATURE DAHLIAS are dwarf plants bearing small flowers. Never more than 3 feet tall, they need little space and no staking.

The blooms are ideal cut-flowers less than 3½ inches across. Plant them in flower-beds or the perennial border; even make a hedge with them.

	Each	10
(1) Bishop of Llandaff.	\$0 35	\$3 15
(2) Orchid Lady.....	40	3 60
(3) Baby Royal.....	35	3 15
(4) Little Jennie.....	50	4 50
(5) Red Head.....	35	3 15

COLLECTIONS

- ① No. 94A, 5 tubers, 1 each
(value \$1.95).....\$1 65
- No. 94B, 10 tubers, 2 each
(value \$3.90).....3 00
- No. 94C, 25 tubers, 5 each
(value \$8.80).....7 00



THE AMERICAN SHAMROCK (Oxalis)

Plant the little bulbs of this native plant along walks or edge flower-beds with them. The blossoms have the remarkable habit of closing and the clover-like leaves of folding, at night. Height 9 inches.

35 cts. for 10, \$2.50 per 100,
\$20 per 1000

← CALLA LILY

Golden Yellow. Dark green foliage, spotted with white. Flowers are rich, velvety gold. Plant them anywhere in your garden when danger of frost is over. Lift the tubers in the autumn. 35 cts. each, \$3 for 10, \$25 per 100.



④ TIGRIDIA → (Mexican Shellflower)

Curious and beautiful spotted flowers of various colors—white, rose, yellow, orange, and red. Known also as the "Tiger Flower." Treat as you would gladiolus, except that you give an abundance of water; plant in a sunny place.

Splendid mixture, \$1 for 10,
\$7.50 per 100

We offer a **COLLECTION** of 15 fine Gladiolus, 5 each of 3 varieties, for 80 cts.; 30 bulbs, 3 varieties, for \$1.50; 75 bulbs, 3 varieties, for \$3.50. See color plate on page 77.

GLADIOLUS *The Cream of the World's Best Varieties*



Field of Gladiolus growing on our Farms. Here the Long Island soil produces Gladiolus bulbs of strong vitality.

CULTURE.—Any good garden soil will grow Gladiolus well, provided they are planted in a sunny location. Bulbs should be planted 4 inches deep and at least 6 inches apart; frequent cultivation with a hoe or a weeder, around the base of the plant, to prevent the soil from becoming hard and dry, is advisable. Where desired for garden decoration or exhibition, we advise plants being staked after attaining the height of one foot. (We offer light green dyed bamboo canes, which are excellent for this purpose.) Water copiously, and as the flower-buds begin to form, apply liquid manure for the best results.

Gladiolus may be planted at intervals for a succession of bloom, and those held for planting should be kept in a cool place. Patrons who plant late for September flowers may order their corms in the spring; we will keep them in cold storage and ship them when required, up to July 15, which, in the latitude of New York, is the latest advisable date to plant.

From planting-date, blooms appear in 10 to 11 weeks with early sorts, 12 to 13 weeks with midseason sorts, 14 weeks with late sorts

Eighty-four Fine Varieties Are Described Below

And to help you make your selection, we first list them under their respective colors

APRICOT, BUFF, CREAM

Donna
Duna
Miss New Zealand
Paradise
Wasaga

BLUE, LIGHT

Ave Maria
Blue Beauty
Milford
Max Reger

BLUE, DARK

Blue Admiral
Pelegrina
Rudolph Serkin
Veilchenblau

CREAM-WHITE

Joerg's White
Shirley Temple

PINK and SALMON

(With decided blotch)
Beacon
Frank J. McCoy
Mrs. Frank Pendleton

SALMON-PINK

Conquest
Dream of Beauty
Halley
Mildred Louise
Mr. W. H. Phipps
Oregon State
King's Ransom
Mrs. E. J. Heaton
Picardy

ORANGE

Betty Nuthall
La Fiesta
Louis d'Or
Orange Imperator
Orange Princess
Orange Queen
Smiling Maestro

LAVENDER-PINK

Isola Bella
King Arthur
Minuet

LIGHT PINK

Bleeding Heart
Camellia
Colossus
Los Angeles
Margaret Fulton
Mrs. T. E. Langford
New Era
Peggy Lou
Rosa van Lima
Sonatine

SCARLET

A-Flame
Dr. F. E. Bennett
Excellence
Pfizer's Triumph
Wurtembergia

RED—Amador

Commander Koehl
Flaming Meteor
Harlekin
Kassel
Red Lory
Red Phipps
Rewi Fallu
Tip-Top
Valeria

WHITE—Albatross

Maid of Orleans
Mammoth White
Margaret Beaton
Mary Elizabeth
Polar Ice
Star of Bethlehem
White Butterfly

PURPLE

Charles Dickens
Gertrude Swenson
Paul Pfitzer

YELLOW

Gate of Heaven
Loyalty
Souvenir
Yellow Emperor

ART SHADES—Bagdad

Marmora
Mother Machree
Vagabond Prince
Zuni

We supply 3 or more corms of a variety at the 10 rate, 25 at the 100 rate

A-Flame. *Scarlet.* Six or more enormous florets are open at one time. Brilliant orange-flame, deepening to begonia-rose. A valuable tall sort for exhibition. Midseason. 75 cts. for 10, \$6.50 per 100.

Albatross. *White,* without a trace of color, 6 to 8 florets open at a time. Strong-growing sort for exhibition. Early. 50 cts. for 10, \$4.50 per 100.

Amador. *Red.* A brilliant glowing color. The flowers are large, and compel attention. Vigorous grower. 85 cts. for 10, \$7.50 per 100.

Ave Maria. *Light blue.* Large flowers with small purple blotches. An exhibition sort. 75 cts. for 10, \$6.50 per 100.

Bagdad. *Art shade.* Midseason exhibition sort. Smoky rose, deeper at the edges, with lighter throat. Individual flowers are 6 inches across. 50 cts. for 10, \$4 per 100.

Beacon. *Salmon-red.* The flower has a large cream blotch and is very large; it is slightly waved. 85 cts. for 10, \$7.50 per 100.

Betty Nuthall. *Orange.* Light coral with pale orange throat. Flowers often 6 inches across, with 6 to 8 open at once. Midseason exhibition sort. 50 cts. for 10, \$4 per 100.

Bleeding Heart. *Light pink.* Almost white, but each flower has a large red blotch. Tall, straight spike with 8 to 10 big flowers open at one time. Strong grower. 60 cts. for 10, \$5.50 per 100.

Blue Admiral. *Dark blue.* The tall, straight spikes carry many florets that open together. An excellent new midseason variety. 85 cts. for 10, \$7.50 per 100.

Blue Beauty. *Light blue.* A beautiful flower, with the margins of the petals tipped with violet. 85 cts. for 10, \$7.50 per 100.

Camellia. *White; tinted pink,* with a small scarlet marking in the throat. The 6 to 8 large, well-placed blooms open at the same time on a long flower-head. Tall. Husky grower. \$1.40 for 10, \$12.50 per 100.

Charles Dickens. *Purple-violet.* Strong 5-foot spikes, bearing 10 to 12 large flowers, open at once. Exhibition sort. Late. 55 cts. for 10, \$5 per 100.

GLADIOLUS *The Cream of the World's Best Varieties*

Colossus. Pink. A soft shade. Fine early sort with immense flowers. \$2.75 for 10, \$25 per 100.

Commander Koehl. Red. Large, brilliant scarlet-blood flowers on a tall stem. Fine exhibition sort and one of the best reds. Late. 55 cts. for 10, \$5 per 100.

Conquest. Salmon-pink. Rather light color, and the flower is blotched with cream. Quite large and ruffled. \$1.90 for 10, \$17.50 per 100.

Donna. Orange-buff; a color that is new to the Gladiolus. There are no markings or suffusions of other tints. Ruffled flowers of heavy substance and large. \$3.25 for 10, \$30 per 100.

Dream of Beauty. Pink. Large flowers with the color of American Beauty roses. A fine variety, recently introduced. 60 cts. for 10, \$5.50 per 100.

Dr. F. E. Bennett. Scarlet. Immense blooms of deep fiery scarlet, overlaying peach-red; lip speckled ruby and white. Flowers are wide open and held on tall, stiff stems. A marvelous variety for exhibition. 55 cts. for 10, \$5 per 100.

Duna. Buff. A soft apricot hue, lightening to yellow at the base of the lip petals, with 5 to 6 large, wide florets open at once. An early variety. 55 cts. for 10, \$5 per 100.

Excellence. Scarlet. Here is a variety that is particularly quick to flower. The scarlet is bright and vibrant. 55 cts. for 10, \$5 per 100.

Flaming Meteor. Red. A spectacular flaming color with florets of immense size. One of the finest for exhibition. Midseason. 85 cts. for 10, \$7.50 per 100.

Frank J. McCoy. Blotched pink. A pure rosy hue with a red spot on the lower petals. Long spike, with 6 to 8 large florets open at once. A fine, midseason exhibition sort. 55 cts. for 10, \$5 per 100.

Gate of Heaven. Yellow. One of the leading exhibition sorts in this color. Probably the deepest yellow in cultivation. Nicely formed spike; large, ruffled florets. Early. 55 cts. for 10, \$5 per 100.

Gertrude Swenson. Mauve-lavender. It has a white blotch on the lower petal. As many as 12 flowers open on the spike at one time. Fine Australian variety. \$1.75 for 10, \$15 per 100.

Halley. Salmon-pink. Very popular on account of its earliness. Beautiful salmon-pink, with creamy yellow blotch in throat. 50 cts. for 10, \$4.50 per 100.

Harlekin. Blotched cherry-red. The blotches and markings are golden yellow. New Primulinus type with a wonderful future as a florists' variety. \$2.25 for 10, \$20 per 100.

Isola Bella. Orchid-pink; a light hue with a delicate touch of lilac in the flowers, which are exceptionally large and slightly ruffled. \$1.15 for 10, \$10 per 100.

Joerg's White. Cream-white. The florets are pure white and they have a yellow spot on each lower petal, with faint carmine lines. Recommended for exhibition. Midseason. 55 cts. for 10, \$5 per 100.

Kassel. Red. The flowers are enormous, and they are a deep scarlet self. A splendid variety. 70 cts. for 10, \$6 per 100.

King's Ransom. Peach. A fine peach-red, blending into apricot; the throat is salmon. Blooms are large and ruffled. 85 cts. for 10, \$7.50 per 100.

King Arthur. Lavender-pink. Large, ruffled and fluted florets, penciled with darker markings. Exquisitely formed flower of fine appearance. A good sort for exhibition. Early. 55 cts. for 10, \$5 per 100.

La Fiesta. Orange. Unusually fine flower, graceful and of good shape. The color is pure and glistening. 85 cts. for 10, \$7.50 per 100.

Los Angeles. Pink. Beautiful shrimp-pink, with glowing orange-carmine blotch in throat. Tall and graceful; blooms for a long time. Midseason. 50 cts. for 10, \$4 per 100.

Louis d'Or. Orange-yellow. Unusual and exceptionally fine shade, deep and pure. A fine new Primulinus variety. \$1.15 for 10, \$10 per 100.

Loyalty. Yellow. The flowers are large, many open at one time, and of a clear, pure shade of yellow, deeper in the throat. For exhibition purposes it is unrivaled. 60 cts. for 10, \$5.50 per 100.

Maid of Orleans. White. The pure white florets have cream throats. Because many perfect florets are in full bloom at once, it is excellent for exhibition. Midseason. 55 cts. for 10, \$5 per 100.

Margaret Beaton. White. A wonderful exhibition sort, growing nearly 6 feet tall. On the perfect spikes as many as 8 to 10 large florets will be open at one time. They are snow-white, with a splash of vermillion in the throat. \$3.00 for 10, \$25 per 100.

Margaret Fulton. Rose-pink. A new variety that is large and fine in this ever-popular color. 55 cts. for 10, \$5 per 100.

Mammoth White. White. One of the largest sorts, the florets often 7 inches across. Splendid for exhibition. Midseason. 70 cts. for 10, \$6 per 100.

Marmora. Art shade; lavender-gray with a light purple spot. Immense in size and fine for exhibition. Midseason. 55 cts. for 10, \$5 per 100.

Mary Elizabeth. White. Beautiful, medium-sized ruffled flowers, each pure white with a yellow throat, 6 to 9 open at once, are carried on a fine spike. Most attractive. 60 cts. for 10, \$5.50 per 100.

Max Reger. Blue. High-growing, graceful sort, with 4 to 7 flowers in bloom at once; their color is a light blue-lavender, darker in the throat. 85 cts. for 10, \$7.50 per 100.

Mildred Louise. Salmon-pink. The lower petals are tipped strawberry-pink, with a yellow throat. Flowers are 5 to 6 inches across, triangular shaped and wide open. The stems are strong and flexible, carrying from 18 to 22 florets. This variety produces one of the finest spikes of bloom, combined with attractive color, and is recommended for exhibition. Midseason. 85 cts. for 10, \$7.50 per 100.

Milford. Blue. The color is a sky-blue self, and the variety is remarkable in that nearly always it has 8 to 9 flowers open at one time. \$1.15 for 10, \$10 per 100.

Minuet. Lavender-pink. Considered by many to be the last word in a light lavender Gladiolus. The blooms are of beautiful clear, light lavender, with 4 to 6 large, heavily textured blooms open at one time on a good, strong stem. A sort that is recommended for exhibition. Late. 55 cts. for 10, \$5 per 100.

Miss New Zealand. Salmon-apricot, suffused with rose, blotched with peach. Enormous new Australasian variety. \$1.40 for 10, \$12.50 per 100.

Mother Machree. Art shade. A smoky lavender overlaid with salmon-pink on the edges. Large flowers, 6 or more open at one time. A good show sort. Midseason. 85 cts. for 10, \$7.50 per 100.

Mr. W. H. Phipps. Salmon-pink. Huge flowers, perfectly placed on a tall stem, are clear La-France-pink, overlaid with glowing salmon-rose, frequently speckled with ruby, 15 to 20 open at once. Good exhibition sort. Late. 50 cts. for 10, \$4.50 per 100.

Mrs. E. J. Heaton. Salmon-pink. A glowing color, shading to cream in the throat. Dwarf, but carries many flowers on a stocky spike. 85 cts. for 10, \$7.50 per 100.

Mrs. Frank Pendleton. Pink and salmon. Salmon-pink which extends to reverse side of the petals as well as in the center, with a rich, deep maroon blotch on the three lower petals. Midseason. 50 cts. for 10, \$4 per 100.

Mrs. T. E. Langford. Pink. Tall and vigorous variety of attractive apple-blossom-pink, flaked canary-yellow in the throat. As many as 10 florets open at one time; excellent variety for exhibition. Late. 75 cts. for 10, \$6.50 per 100.

New Era. Pink. Wonderful new ruffled sort, the color suggestive of La France rose. Ten flowers open at one time. Excellent tall variety. \$1.75 for 10, \$15 per 100.

Orange Imperator. Orange. The large florets have excellent substance. A fine early variety. 85 cts. for 10, \$7.50 per 100.

Orange Princess. Orange. A pure salmon-orange tint with a lighter hue in the throat. Slightly ruffled. Fine exhibition sort. Early. 75 cts. for 10, \$6.50 per 100.

Orange Queen. Orange. Purest apricot-orange of a very warm tint; deeper at the edges of the petals; large, open flowers on a good stem. One of the best Primulinus for showing. Early. 50 cts. for 10, \$4.50 per 100.

Oregon State. Pink. The best in this color. Lighter than Picardy and it has a cream-colored throat instead of a darker blotch. New, and outstanding in every way. \$1.75 for 10, \$15 per 100.

Paradise. Apricot. Clear light apricot-buff. Tall, straight spikes; perfect placement. A wonderful exhibition variety. 75 cts. for 10, \$6.50 per 100.

Paul Pfitzer. Purple. Fine reddish purple, many florets opening at once on a vigorous stem. Midseason. 75c. for 10, \$6.50 per 100.

Peggy Lou. Pink. The lovely soft bluish-toned pink flowers have a leathery substance. Should be in every Gladiolus collection. 85 cts. for 10, \$7.50 per 100.

Pelegrina. Dark blue. This variety was imported by us from Europe several years ago. It is one of the finest dark blue-violet varieties ever introduced, with large individual florets. Early. 55 cts. for 10, \$5 per 100.

Pfitzer's Triumph. Scarlet. One of the largest and finest Gladiolus. The blooms are at least 6 inches across, bright orange-red, with small velvety red blotches. The color and remarkable size make this a fine exhibition sort. Late. 60 cts. for 10, \$5.50 per 100.

GLADIOLUS *The Cream of the World's Best Varieties*

Picardy. *Salmon-pink.* Evokes widespread enthusiasm wherever seen. The individual flowers are delicate apricot-pink, extremely large, somewhat ruffled, and of heavy, wax-like substance. We recommend it highly for both garden and exhibition purposes. Midseason. 50 cts. for 10, \$4 per 100.

Polar Ice. *White.* Fine exhibition variety with large flowers, many of which are open at the same time. Vigorous and early sort. 55 cts. for 10, \$5 per 100.

Red Lory. *Red.* Carmine-rose with large red spots. Large florets, nearly all of which are open at once. An exhibition sort. Midseason. 85 cts. for 10, \$7.50 per 100.

Red Phipps. *Red.* Rich and glowing. The free-flowering habit and strong growth of this variety have made it a general favorite. Eight flowers open at once. An exhibition kind. Midseason. 50c. for 10, \$4.50 per 100.

Rewi Fallu. *Dark red.* Very brilliant, large, and highly ruffled flowers, 6 to 8 open at a time. We consider this the finest blood-red Gladiolus available. \$1.15 for 10, \$10 per 100.

Rosa van Lima. *Light pink.* Pure self-colored light pink, with many flowers open at one time on fine strong, straight stems. 85 cts. for 10, \$7.50 per 100.

Rudolph Serkin. *Dark blue.* Finest pure pansy shade, with very large flowers. \$2.25 for 10, \$20 per 100.

Shirley Temple. *White* with cream throat; the flowers are of wonderful substance, large, and beautifully ruffled. You may expect as many as 12 open at one time. 75 cts. for 10, \$6.50 per 100.

Smiling Maestro. *Salmon-orange.* Rich salmon-orange—a very pleasing color. Very large flowers measuring 6 to 8 inches across. Splendid exhibition variety with frequently 10 to 12 flowers open at a time. 75 cts. for 10, \$6.50 per 100.

Sonatine. *Pink.* Very tall variety. True pink, often showing a narrow white line down the center of each petal. Ideal for cutting because of its long stems and good substance. 60 cts. for 10, \$5.50 per 100.

Souvenir. *Yellow.* Of the many shades and tints in the beautiful Primulinus type we consider Souvenir the best pure yellow. Flowers graceful and somewhat small. 50 cts. for 10, \$4 per 100.

Star of Bethlehem. *White,* with a touch of crimson on the lower petals. Tall, slender spike with 6 to 8 immense florets open at one time. Exhibition sort. Early. 75 cts. for 10, \$6.50 per 100.

Tip-Top. *Red.* A dark scarlet hue. The tall spike has several flowers open at the same time. One of the best in this color. 85 cts. for 10, \$7.50 per 100.

Vagabond Prince. *Art shade.* The florets are a shining reddish brown color, and on the lower petals there is a splash of vermilion. An interesting color combination, and a fine sort. 85 cts. for 10, \$7.50 per 100.

Valeria. *Light red.* A fine self color, with many flowers open at once; extra good. It keeps well and its color stands. \$2.25 for 10, \$20 per 100.

Veilchenblau. *Dark blue.* Fine violet-blue with pansy-purple blotches. Effect is that of a velvety sheen. Superior to Baron Hulot, which we have now discarded. Early. 75 cts. for 10, \$6.50 per 100.

Wasaga. *Buff.* Clear golden buff throughout, without a trace of any other color. Petals are somewhat ruffled, and carried gracefully on strong stems. Midseason. 50 cts. for 10, \$4 per 100.

White Butterfly. *White,* with a soft, creamy white throat. A slender stem bears somewhat small flowers, ideal for cut-flower work. 70 cts. for 10, \$6 per 100.

Wurtembergia. *Scarlet;* fiery, with cream blotch. A great favorite wherever shown; one of the finest scarlet Gladiolus grown. 85 cts. for 10, \$7.50 per 100.

Yellow Emperor. *Yellow.* A very fine new variety. The florets are self-colored, and about the same hue as King Alfred daffodil; they are well placed on handsome spikes. 70 cts. for 10, \$6 per 100.

Zuni. *Smoky salmon-purple.* A richly colored salmon and slate, with a suffusion of purple. Enormous flowers, as many as 10 being open at one time. Tall. \$2.25 for 10, \$20 per 100.

American Hybrids Mixed

We include a splendid variety of named sorts. The mixture has a popular price to encourage liberal planting. They are well matured and good growers; excellent for cut-flower purposes or for planting in mixed borders. 50 cts. per doz., \$3.50 per 100.

GLADIOLUS THRIPS

A destructive insect of microscopic size causing a silvered appearance on the foliage, drying of the flower-buds, and a general blighting of the plant.

Gladiolus corms obtained from us are free of Thrips. Skilled gardeners, however, adopt precautionary measures after they receive their corms. We recommend:

Before Planting

1. Remove the skins, so that "bare" corms are planted. Do not injure the growing tips when doing this. Burn the skins.
2. Stir 2½ ounces of Semesan in one gallon of water. Immerse the corms in the liquid for seven hours; dry and plant.

During Growth

3. Spray with Sawco Thrip Spray. Dissolve one pound in 10 gallons of water and apply every two weeks. Kills Thrips and Thrips' eggs even when secreted in the leaf sheaths.

When Bulbs Are Lifted

4. In autumn, cut off the tops from the lifted corms and burn them. Place the corms in a low, but not freezing, temperature to cure for six weeks.
5. Place in boxes covered with paper, for one month, first dusting through them one pound of Thripco to each 1000 corms; or use Naphthalene Flakes at the rate of one ounce per 100 corms, or one-half pound per 1000 corms. Avoid containers with close-fitting lids, because ventilation is necessary.
6. At the end of the month, shake out the Thripco or Naphthalene Flakes, and store the treated corms in the usual way.

NOTE.—Semesan is a poison; use care.

Bulbs in Cold Storage

We carry the following bulbs in cold storage for planting in your greenhouse for late spring blooming.

The application of low temperatures for extended periods has the effect of developing larger flowers in many cases.

Retarded Lilies Per case of 50 bulbs

Pardalinum giganteum. 7 in.	\$20 00
Regale. 10 in.	25 00
Tigrinum. Single; 8 in.	25 00
Case of Lilies contains 50 bulbs.	

Retarded Spiræa Per doz.

Gloria superba. Deep pink.	\$15 00
Queen Alexandra. Light pink.	12 50
Deutschland. White.	15 00
Case of Spiræas contains 12 clumps.	

Gladiolus for September Blooming

Many of our patrons desire Gladiolus Bulbs for September blooming. In the neighborhood of New York they should be planted July 1. Order your Bulbs in April. We reserve them and place them in our Cold Storage Warehouse.



Lily-of-the-Valley

LILY-OF-THE-VALLEY

For Outdoor Planting

We recommend the use of individual roots or "Pips," rather than clumps for planting a Lily-of-the-Valley bed. They should be two years old, and may be set out at intervals of 4 inches each way. This method will produce a better bed than by using the old-time clump. We offer for this purpose pips of smaller size than those used for growing Lily-of-the-Valley indoors and at attractive prices. 10 pips 50 cts., 25 pips \$1.15, 100 pips \$4, 500 pips \$17.50.

For Greenhouse Growing

Retarded Pips

In judging the price of our Lily-of-the-Valley, please remember that the best is the cheapest. Our Valley is positively among the best. Is bought at open prices, with instructions for a selection of the best-developed pips. Our long experience and large importations have commanded this extra selection. For growing indoors these pips are the best that can be planted. 25 pips \$3.75, 100 pips \$13.50, 250 pips \$27.50.

HARDY LILIES

Lilies are so beautiful, and many of them are so fragrant, that you may think they are hard to grow, but such is not the case with most of the following varieties—they are easy.

Generally, they are best planted where their roots will be in shadow and their stems and leaves in full light. Ideal positions are amid shrubs or in the annual or perennial border, or in the companionship of ground-cover. Any good garden soil will serve, provided it drains well. Spade the land to a depth of 18 inches and work in our Bulb Fertilizer; plant the bulbs in groups of three or more of a kind, setting

them on a 1-inch layer of sand. This will aid soil drainage, and prevent the bulbs rotting through excess moisture.

Many Lilies are "stem-rooters," that is, they develop roots on the stem above the bulb, in addition to roots below the bulb. Other kinds are "basal-rooters," depending on roots below the bulb only. Stem-rooters are planted deep enough that the top of the bulb is covered by a thickness of soil twice the size of the bulb, from base to top; basal-rooters are planted shallow, overlaid by soil equal to one-half the size of the bulb.

Canadense. The red Meadow Lily of fields and roadsides. In July, its tall stems, 3 to 5 feet high, bear great sprays of nodding, bell-like bright orange flowers dotted with maroon. It is stem-rooting, likes moist well-drained acid soil. Plant 8 inches deep in full sun or light shade and roots should be kept cool with a ground-cover. 25 cts. each, \$2.25 for 10, \$20 per 100.

Canadense flavum. Pale yellow form of above. 30 cts. each, \$2.75 for 10, \$25 per 100.

Carolinianum. The Southern Swamp Lily. This is a near relative of the Turk's-Cap Lily, *L. superbum*, but smaller and a little lighter in color. It grows 2 to 4 feet high, likes moist ground, but good drainage, and will endure almost total shade. The fragrant flowers are orange-crimson with a whitish throat and hang like bright red bells at the top of the stem. Plant 5 to 6 inches deep. Blooms in July. 40 cts. each, \$3.50 for 10, \$30 per 100.

Concolor. Star Lily. This erect, cup-shaped Lily, flowering in July, with blooms of brightest orange, is among the showiest of rockery subjects, and charming in the border. Height 18 inches. 30 cts. each, \$2.75 for 10, \$25 per 100.

Grayi. Gray's Lily. Modest, bell-shaped flowers of orange-brown outside and bright red-orange and yellow inside, thickly powdered with darker dots. Grows 2 to 4 feet high, likes slightly acid, moist, loamy soil and a sunny place, such as a stream-bank. Blooms in July. Plant 4 inches deep. 40 cts. each, \$3.50 for 10, \$30 per 100.

Pardalinum giganteum. Sunset or Giant Leopard Lily. The most spectacular of American Lilies, and one of the world's finest. An illustration in color appears on page 77. Brilliant orange-red on the reflexed portion of the segments, the faces of the magnificent "turk's caps" are rich yellow closely dotted with brown spots. The flowers are borne in clusters up to ten on strong 5 to 8-foot canes which are clothed with whorls of pleasing foliage. It is one of the easier Lilies to grow, succeeding in full sun or partial shade. Blooms in July and should be planted 6 to 8 inches deep. 30 cts. each, \$2.75 for 10, \$25 per 100.

Philadelphicum. Wood Lily, Orange Cup Lily. A wild Lily of the eastern states, thriving in dry, sandy places with partial shade. The short stalks are 1 to 2 feet high, with dark red, erect cup-shaped flowers in July. Plant 5 inches deep. 30 cts. each, \$2.75 for 10, \$25 per 100.

Philippinense formosanum. Sometimes described as the hardy Easter Lily. Long white trumpets glorify 6-foot stems in August and September. An emerald-green throat adds to the picturesque flower. Fragrance is mild but delightful. 35 cts. each, \$3 for 10, \$27.50 per 100.

Regale. The Royal Lily. A gorgeous Lily originally from the wilds of Tibet and western China, with enormous alabaster trumpets tinged with rose outside and suffused with gold within. This is one of the most popular of all white Lilies, and the easiest to grow. Stem-rooting; plant 6 to 8 inches deep in any good well-drained soil. Grows 4 to 6 feet tall. Blooms in July. See the color illustration on page 77.

First-size Bulbs, 6 to	Each	10	100
7 in. circum.....	\$0 15	\$1 40	\$12 00
Mammoth Bulbs, 7 to			
8 in. circum.....	25	2 25	18 00
Jumbo Bulbs, 8 to			
9 in. circum.....	30	2 75	25 00
Monster Bulbs, 9 to			
10 in. circum.....	45	3 75	35 00

Speciosum magnificum. The Showy Lily. The main color is white, clouded, banded, and spotted with crimson and pink. The plants are strong, with long, handsome leaves, grow 3 to 5 feet high, and bear great loose sprays of magnificent, delicately scented flowers in August and September. An easy Lily to grow, succeeding best if the lower part of the stem is in semi-shade. Stem-rooting, it should be planted 8 to 10 inches deep; it likes slightly acid soil, although good results may be had in ordinary garden ground. Each 10 100

First-size Bulbs.....	\$0 45	\$3 75	\$35 00
Mammoth Bulbs.....	60	5 50	50 00

Speciosum album. Snowy white flowers with a deep emerald-green crease at the base of each petal, and showy yellow anthers. Plant 8 inches deep in slightly acid soil. Blooms in August and September. First-size Bulbs.....\$0 45 \$3 75 \$35 00 Mammoth Bulbs..... 60 5 50 50 00

Sulphureum. Large, trumpet-shaped flowers of pale sulphur-yellow, marked and suffused on the outside with red. Its unusual color and heavy fragrance make it an outstanding Lily. Blooms in September. 4 to 5 feet tall. Stem-rooting; plant 10 inches deep in well-drained, ordinary garden soil. We offer large, selected bulbs. \$1.50 each, \$12.50 for 10, \$100 per 100.

Superbum. The Turk's-Cap Lily. It grows 5 to 8 feet high, with an immense, pyramidal cluster of brilliant orange-red, turban-shaped flowers, yellowish inside and spotted brown. Plant 6 inches deep in well-drained, slightly acid, or neutral soil well filled with peat or leaf-mold. Does best in partial shade. Blooms in July. 20 cts. each, \$1.75 for 10, \$15 per 100.

Tenuifolium. Coral Lily. A dwarf, very graceful Lily, with thread-like leaves and clusters of nodding, tiny, bell-like, recurved flowers of brilliant coral-red in June. Illustrated in color on page 77. Likes damp soil among rocks, with access to sunlight above. Plant 6 inches deep. 20 cts. each, \$1.75 for 10, \$15 per 100.

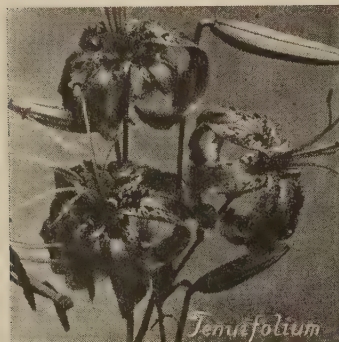
Tenuifolium, Golden Glean. A beautiful hybrid; apricot-yellow. 30 cts. each, \$2.75 for 10, \$25 per 100.

Tigrinum. The Tiger Lily is well known, with its showy, spotted red-orange flowers in wayside gardens in August and later. Very easy to grow, thriving in full sun in any soil. Plant 6 inches deep. 25 cts. each, \$2.25 for 10, \$18 per 100.

Tigrinum flore-pleno. The double Tiger Lily is even showier and more handsome. 25 cts. each, \$2.25 for 10, \$18 per 100.

Umbellatum grandiflorum erectum. Vivid orange-scarlet flowers held upright and produced in June. Of easy culture and particularly suited for the border. Plant 4 to 6 inches deep in full sunlight in well-drained soil containing peat or leaf-mold. Large bulbs. 40 cts. each, \$3.50 for 10, \$30 per 100.

Washingtonianum. Opens white, changing to varying shades of wine-color slightly spotted deeper. Remarkably robust, free-blooming, and wonderfully fragrant. Blooms June and July. Stem-rooting; plant 10 inches deep in partial shade and watch the drainage. 60 cts. each, \$5.50 for 10, \$50.00 per 100.



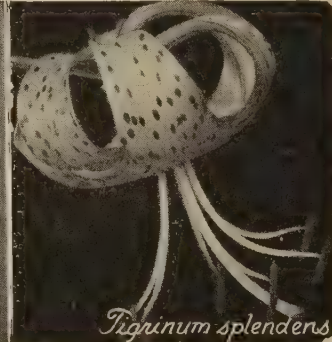
Tenuifolium



Canadense



Superbum



Tigrinum splendens



Dahlia, Mrs. I. de Ver Warner



Dahlia, Golden Standard



Dahlia, Bronze Knight



Dahlia, Son of Satan

DAHLIAS FOR EXHIBITION

Decorative and Cactus Sorts

This list includes only those that we consider worthy of a place in every garden; it represents the cream of the finest varieties that have been developed to date. Many are proven prize-winners.

Initials immediately following each name indicate the class to which the Dahlia belongs, thus:

F.D.—Formal Decorative Dahlias. Fully double flowers, floral rays generally

broad, either pointed or rounded at tips, with outer floral rays tending to be cupped; all floral rays somewhat regular.

I.D.—Informal Decorative Dahlias. Double flowers, rays generally long, twisted, pointed; usually irregular in arrangement.

Semi-C.—Semi-Cactus Dahlias. Fully double flowers with the margins of the majority of the floral rays revolute for less than one-half of their length.

I.C.—Incurred Cactus Dahlias. Fully double flowers with the margins of the majority of the floral rays revolute for one-half or more of their length, the floral rays tending to curve toward the center of the flower.

C.—Recurved or Straight Cactus Dahlias. Fully double flowers with the margins of the majority of the floral rays revolute for one-half of their length or more, the floral rays being recurved or straight.

THE NEWEST ALL-STAR VARIETIES

We offer eight outstanding honor-roll introductions. These have scored very highly at official trial-grounds and won many prizes at Dahlia shows.

THREE ULTRA NOVELTIES: INTRODUCED IN 1941

ALL AMERICAN. Semi-C. The color is a mulberry-rose, suffused with salmon; the florets are waxy yellow at the base and are somewhat twisted. Bushes grow 6 feet high, covered with immense blooms on straight stems. This is a very rugged variety and a great prize-winner. Won the American Home Achievement Medal at Wisconsin State Show, Milwaukee. Was the "Most Outstanding" bloom at Peekskill, N. Y., and Poughkeepsie, N. Y. First in the Semi-Cactus class at the Central States Show and blue ribbon winner at several other shows. \$6.50 each.

BLUE MOON. F.D. A gorgeous giant bloom, 12 inches in diameter, lavender-blue in color, shading to lilac-purple at the center. Strong grower with heavy foliage. Winner of the Achievement Medal and a place on the Honor Roll. \$6.50 each.

DOROTHY LAMOUR. C. Fine orange color; the 10-inch flower is of great depth. Beautifully formed, very free flowering on the best of stems. Winner of a place on the Honor Roll and a Futurity Winner. \$6.50 each.

COLLECTION D833: 3 Dahlias, 1 each of the above (value \$19.50), \$17.50

FIVE NOVELTIES INTRODUCED IN 1940

ALICE MAY. I.D. A really great new white that is sensational. The flower is tremendous, with a beautiful artistic form. Clean, strong, long stems. Without a doubt one of the finest Dahlias to date. Extra. \$1 each, \$9 for 10.

EVENTIDE. I.D. True purple with violet-purple shading. A seedling from Thomas A. Edison, an outstanding sort of a few years back, Eventide retains the staghorn petal formation of its parent. Stems are strong and sturdy. Created a sensation when first shown. \$1.50 each, \$13.50 for 10.

MARY TAYLOR. I.C. A fine, deep, flesh-pink and gold Dahlia—an unusual combination. Blooms are 9 inches in diameter and 4 inches through, held on fine stems. A good keeper. Grows 6 feet high. On the Honor Roll. Achievement winner, and scored at East Lansing Trial Gardens. A Dahlia with a great future. \$1.50 each, \$13.50 for 10.

MAFFIE. Semi-C. This seems to be one of the largest Dahlias grown. The lively carmine blooms were head and shoulders above others in the big seedling class at Camden, N. J. Winner of the Achievement Medal, also the class for best and largest bloom, at three shows. One of the outstanding Dahlias of the year. \$3.50 each, \$30 for 10.

SILVER LADY. I.D. Ivory-white, lightly flushed and edged violet-rose. With rugged foliage, fine long stems, and its delicate coloring, it is a beautiful and perfect Dahlia. Everyone will be charmed with it. Certified, West Virginia and recommended, Georgia; on Johnson's Futurity, 1940. \$1 each, \$9 for 10.

COLLECTION D835: 5 Dahlias, 1 each of the above (value \$8.50), \$7.75

GENERAL LIST OF LARGE-FLOWERING VARIETIES

AMBASSADOR. C. An outstanding Dahlia at many of the Dahlia exhibitions, and considered by many as being one of the best and most artistic. Its color is, perhaps, best described as a soft yellow at the center, with salmon, amber, and pink shadings, gradually deepening towards the tips. The flowers are of largest size and are set just right on perfect stems. A strong grower and free bloomer. 75 cts. each, \$6.75 for 10.

ANN BENEDICT. I.D. This variety is the most satisfactory dark red we have grown. The color is a very dark garnet with black shadings. Certified at Storrs with high score of 86.6. 50 cts. each, \$4.50 for 10.

BAY SHORE BEAUTY. F.D. A sport of Jersey's Beauty, of the same robust growth and free-flowering habit. The color is a soft, beautiful shade of orchid-lavender, with a decided bluish cast. A marvellous cut-flower. 35 cts. each, \$3.15 for 10.

BLUE BIRD. I.D. A fine garden variety. Large flowers of beautiful form and unusual and attractive color. Blooms freely. The nearest to blue of any Dahlia. 50 cts. each, \$4.50 for 10.

BOB WHITE. F.D. Pure white, giant flowers, full and deep, borne on long cane stems that hold them absolutely upright. Good clean grower; resistant to insects. This wonderful creation is a sensation. We have never seen a white bloom so freely. 50 cts. each, \$4.50 for 10.

BRONZE KNIGHT. F.D. A giant Dahlia of chrome-orange, flushed grenadine-red, the general tone being brilliant orange. An exceptionally robust grower carrying the giant flowers on long, splendid stems. 50 cts. each, \$4.50 for 10.

CALIFORNIA IDOL. I.D. An outstanding giant, and a prize-winner from coast to coast. Clear, bright, glistening yellow. Has everything a really great Dahlia should have. Vigorous, healthy grower and good bloomer. 50 cts. each, \$4.50 for 10.

CARL G. DAHL. I.D. Enormous Dahlia of apricot-buff, shading to old-rose on reverse of petals. Prolific bloomer; long, fine stems, vigorous grower and very fine for exhibition. A frequent prize-winner as the largest Dahlia. \$1 each, \$9 for 10.

CHAPPAQUA SUNSET. S.C. A golden suffusion on bronze is overlaid with a brassy sheen. The florets twist and disclose the reverse color, which is rose. Stems are strong and the growth husky. Height 5 feet. Award of Honor, Georgia. \$1.50 each, \$13.50 for 10.

COUNTLESS OF LONSDALE. C. Old-rose-red, slightly shading salmon. Low-growing, free-flowering plant covered with finely formed, 4-inch blooms the entire season. This can be classed as a Miniature Cactus. Fine for border or bedding. Desirable for cutting. 35 cts. each, \$3.15 for 10.

CRIMSON KING. F.D. Brilliant deep crimson, like a Jack Rose in color. Finely formed flower and a free bloomer. 50 cts. each, \$4.50 for 10.

ELIZABETH POTTER. F.D. A massive, full flower measuring 8 to 12 inches in diameter and 4 to 6 inches in depth, of a deep rose-pink suffused with yellow. A vigorous, free-flowering, and long, strong-stemmed variety of easy culture. Splendid for cutting or exhibition. Special awards given as a seedling when exhibited at Glen Cove, Oyster Bay, and Westbury, Long Island. 75 cts. each, \$6.75 for 10.

ELKRIDGE. Semi-C. This large, pure white variety is of fine form and great substance. It flowers very freely on long, strong stems. Has won many prizes. 50 cts. each, \$4.50 for 10.

FRANCIS LAROCO. F.D. Finest large, pure yellow. Vigorous grower and profuse bloomer. 25 cts. each, \$2.25 for 10.

GLAMOUR. I.D. A real giant Dahlia. True purple, edged amaranth-pink; very distinct. Strong, rugged grower. An achievement medal-winner. \$2.50 each, \$22.50 for 10.

GOLDEN STANDARD. C. Splendid 9-inch flower of Cactus form. A great prize-winner. Strong, thrifty grower and free bloomer. A pleasing golden fawn shade with a darker center. 50 cts. each, \$4.50 for 10.

GREATER GLORY. Semi-C. Immense artistic blooms of deep rose-pink, shading to creamy white center. Flowers held proudly aloft on very long stems. \$1 each, \$9 for 10.

HUNT'S VELVET WONDER. I.D. Deep burgundy-red flowers up to 15 inches across. Roll of Honor and Award of Merit. 50 cts. each, \$4.50 for 10.

JANE COWL. I.D. Deep, massive blooms of a bronzy buff and old-gold, blending darker toward the perfect center. A stem of unusual strength holds this giant Decorative over an ideal plant, while the foliage is the leathery kind that insects seldom injure. 30 cts. each, \$2.70 for 10.

JEAN TRIMBEE. Semi-C. Massive and beautiful petunia-violet. Great favorite, and a prize-winner at exhibitions. 50 cts. each, \$4.50 for 10.

JERSEY'S BEACON. F.D. This fine novelty is Chinese-scarlet, paler on the reverse, giving a two-toned effect. It is a great favorite and a real "beacon of the garden." Large; free bloomer; vigorous grower. 25 cts. each, \$2.25 for 10.

JERSEY'S BEAUTY. F.D. This is, without a doubt, one of the finest true pink Decorative Dahlias yet introduced. 25 cts. each, \$2.25 for 10.

JERSEY'S DAINTY. S.C. Will not only win on the exhibition table but is good for cutting. White, faintly tinged lavender. A prolific bloomer with long, straight stems. 35 cts. each, \$3.15 for 10.

JERSEY'S TRIUMPH. F.D. One of the real autumn shades—bright copper flushed with salmon-bronze; large flowers. Won the highest award in Holland, 1931. 25 cts. each, \$2.25 for 10.

JOYCE LOUISE. I.D. A fine exhibition variety, and one of the largest in cultivation. The flower attains a diameter of 14½ inches when given high culture, and is a beautiful pink, shaded lavender. Very floriferous, holding its size throughout the season. It has won two firsts at Valley Stream, L. I., first prize and American Home Medal at St. Louis. Averaging 5 feet in height. \$2 each, \$18 for 10.

KATHLEEN NORRIS. I.D. A bloom of massive proportions, with broad, overlapping petals having twisted ends. Color, a true rose-pink, deepening to mallow-pink. Great blooms on perfect stems. 50 cts. each, \$4.50 for 10.

KEMP'S FORT MONMOUTH. I.D. One of the giants of the Dahlia world. In color it is a rich crimson-maroon, with a faint tint of bluish violet at tips of petals. An immense flower, frequently 13 inches in diameter, and borne on long, strong stems, well above the foliage. Excellent Dahlia for exhibition. 50 cts. each, \$4.50 for 10.

KENTUCKY. F.D. A sport of Jersey's Beauty, having the same good qualities. Color is a wonderfully brilliant light salmon-orange, shading to orange-yellow at base of petals, deepening to grenadine-pink on the reverse of petals. Long, strong stems. 25 cts. each, \$2.25 for 10.

KISS ME. F.D. Bicolor, scarlet-red and white. A fine, clean-growing, free-flowering garden and cut-flower variety of dazzling brilliance. 50 cts. each, \$4.50 for 10.

MILTON J. CROSS. I.D. Beautiful apricot-peach with a bright golden face. The flowers attain a size of 12 inches across by 8 inches in depth, and are held well above the foliage by long, strong stems. 50 cts. each, \$4.50 for 10.



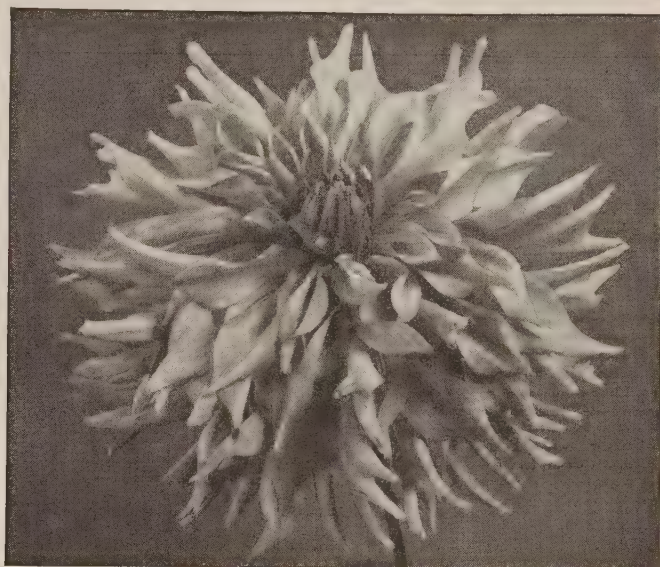
Dahlia, Ambassador



Dahlia, Jersey's Beauty



Dahlia, Alice May (See page 83)



Dahlia, Chappaqua Sunset (See page 84)

GENERAL LIST OF LARGE-FLOWERING VARIETIES, continued

MRS. GEORGE LE BOUTELLIER. I.D. Rich velvety carmine blooms, giant in size and outstanding in every way. Healthy, vigorous grower and winner of many prizes. One of our largest Dahlias. 50 cts. each, \$4.50 for 10.

MRS. I. DE VER WARNER. I.D. A refined, deep mauve-pink Dahlia of perfect form, impressive on account of its size and beautiful orchid color. It is an abundant bloomer, splendid for exhibition and fine for the garden. 25 cts. each, \$2.25 for 10.

MRS. WILLIAM S. KNUDSEN. I.D. A pure white which can be grown to 11 inches, without forcing, on a 6-foot plant. Heavy winner in the Mid-West. Awarded Certificate of Merit at East Lansing, 1937. \$1 each, \$9 for 10.

MURPHY'S MASTERPIECE. I.D. This greatest of all dark red giant Dahlias has been winning for years as the largest flower. Strong grower and free flowering. \$1.25 each, \$11.25 for 10.

MYRA HOWARD. I.D. This fine Dahlia is a glowing cadmium-yellow and old-gold, with many 10-inch flowers. Achievement Medal winner. 50 cts. each, \$4.50 for 10.

PINK GLORY. F.D. Lovely glowing light rose-pink giant Dahlia of strong growth and great substance; very free flowering, on the best of stems. 50 cts. each, \$4.50 for 10.

RED KING. F.D. Vivid rich red Dahlia of fine habit, with long stems and flowers produced very freely; they are 6 to 8 inches across, of firm texture and with lasting qualities. Very fine for cutting. 50 cts. each, \$4.50 for 10.

SALMON SUPREME. F.D. We feel justified in predicting that this will become a very popular Dahlia. The form and color are really wonderful. Its very large, glistening salmon-orange flowers are held proudly erect on the strongest of stems. Free flowering and a vigorous grower. Should be in every garden. 50 cts. each, \$4.50 for 10.

SON OF SATAN. S.C. Brilliant scarlet of immense size; larger than Satan and much better in every way. This is a sensational four Honor Roll Dahlia and a very vigorous and strong grower. 75 cts. each, \$6.75 for 10.

VIRGINIA RUTE. I.D. Rich oxblood-red, with broad, pointed petals and a tight center. Good form and substance, the flowers holding well out of the foliage on long, strong stems. Insect resistant. Fine for exhibition. \$2 each, \$18 for 10.

VOLCANO. F.D. An orange flame-red, which holds its color in the sun. Foliage is heavy and leather-like. Successful contestant in the largest bloom class. It keeps well and has perfect stems. \$1 each, \$9 for 10.

WATCHUNG GIANT. I.D. Here is a really true giant Dahlia without being coarse or clumsy. The color is a beautiful light definite yellow with a warm suffusion of rose. Fine stem and habit of growth. Sensational. 75 cts. each, \$6.75 for 10.

WHITE KING. F.D. A pure white, large-flowering Dahlia of very beautiful form and substance. Free flowering, on long stems. Splendid for the garden or exhibition. 30 cts. each, \$2.70 for 10.

WHITE WONDER. I.D. The giant blooms are pure white, with long, pointed, twisted, and curled petals, giving the flower a light, fluffy appearance. We consider this one of the finest new white Decorative Dahlias, if not the finest. 50 cts. each, \$4.50 for 10.

YELLOW MARVEL. I.C. Very large, finely formed, clear yellow flower of rare beauty and good substance; blooms freely on long, strong stems. 75 cts. each, \$6.75 for 10.

YELLOW SUPREME. F.D. The finest brilliant yellow, perfectly formed formal we have ever seen. Very free flowering and of great substance. Can be cut when breaking color, put in water and will increase in size each day and keep in perfect condition. Very long stems (up to 4 ft.). Splendid for exhibition, cut-flowers or garden decoration. 75 cts. each, \$6.75 for 10.

GARDEN FULL OF DAHLIAS FOR \$2 Retail Value \$4.85

Sold in a Collection

No. 94F: 12 Distinct Sorts, Each Root Clearly Marked with Its Name

This Collection will enable you to have enormous flowering kinds, and also to try the interesting Pompon type.

EIGHT EXHIBITION SORTS

Jane Cowl. Bronze.
Jersey's Beauty. Pink.
Kiss Me. Red and white.
Red King. Deep red.

Salmon Supreme. Salmon-pink.
Watchung Giant. Chamois.
White King. Pure white.
Yellow Supreme. Bright yellow.

FOUR POMPON SORTS

Edith Muller. Rosy orange. Morning Mist. Lavender and
Indian Chief. Red, tipped white. white.
Red Gem. Deep red.

NEW YORK CITY

Planting the Roots: Spread some unfertilized soil over the enriched earth. Place the Dahlia root horizontally two inches below the surface; fill the hole with soil and tread firm. See page 86.

Dahlias 85

We Offer **DAHLIA POLES**, 6 feet long, solid ash and painted green at \$18 per hundred

MINIATURE DAHLIAS

Flowers less than 3½ inches in diameter

These are increasing in popularity and interest. After careful tests, we are including many new and meritorious varieties, giving a complete range of distinct colors and forms. All types of Dahlias are to be found in this section, but the plants are dwarf and the flowers are perfect gems, ideal for cut-flower purposes. They are also invaluable for borders, hedges or planting in the perennial garden. Since their height is between 1½ and 3 feet, they need no supporting stakes and may be used for bedding. Pinch them to keep the plants uniform.

AMI BARILLET. Single. Low-growing, bedding type; deep clear red with yellow center. The purplish red, fern-shaped foliage is very attractive. 35 cts. each, \$3.15 for 10.

***BABY ROYAL.** Semi-C. Salmon-pink shaded apricot. Free bloomer. 35 cts. each, \$3.15 for 10.

***BISHOP OF LLANDAFF.** Peony-flowered. Bright scarlet; duplex form. Attractive fern-like, reddish purple foliage. This fine variety is illustrated below. 35 cts. each, \$3.15 for 10.

CORINNA. F.D. Well-formed blooms of brilliant yellow. 35 cts. each, \$3.15 for 10.

COURONNE. I.D. Pure, waxy white; form very much like a gardenia. 35 cts. each, \$3.15 for 10.

FAIRY. F.D. Violet-rose, shading to mauve at the tips. Keeps wonderfully when cut. 35 cts. each, \$3.15 for 10.

INNOCENCE. Pure white with golden center. Flowers all summer. Fine bedder. 50 cts. each, \$4.50 for 10.

JAMBOREE. Semi-C. Beautiful shade of soft salmon-pink. A prize-winning variety. 50 cts. each, \$4.50 for 10.

***LITTLE JENNIE.** I.C. Flesh-pink, tinted with rose and yellow. Early and free flowering. 50 cts. each, \$4.50 for 10.

MARKET QUEEN. F.D. Brilliant red with pure white tips. Fine cut-flower. 35 cts. each, \$3.15 for 10.

***ORCHID LADY.** F.D. Dainty pure orchid-pink of fine form. Distinct. 40 cts. each, \$3.60 for 10.



Orchid-flowering Dahlias

ORANGE ROYAL. I.C. A new Dutch variety which arrived on the last boat sailing from Holland. Similar to Baby Royal except in color, this is a clear brilliant orange. 75 cts. each, \$6.75 for 10.

PRINCE OF BULGARIA. Single. White, 2-inch flowers, heavily striped bright red. Low grower and prolific bloomer. Wonderful for bedding and border. 40 cts. each, \$3.60 for 10.

***RED HEAD.** F.D. Brilliant deep orange-red; flowers of beautiful form. A low grower and free flowering. 35 cts. each, \$3.15 for 10.

COLLECTIONS OF MINIATURE DAHLIAS

No. 94A. 5 roots, 1 each, sorts marked * (value \$1.95).....\$1.65
No. 94B. 10 roots, 2 each, sorts marked * (value \$3.90).....\$3.00
No. 94C. 25 roots, 5 each, sorts marked * (value \$8.80).....\$7.00

ORCHID-FLOWERING DAHLIAS

These have single flowers, but the margins of the ray-florets turn inward toward the tips to become more or less tubular. Beautiful and attractive.

MIXED SEEDLINGS. All colors together; no names. 25 cts. each, \$2.25 for 10.



Single Dahlia, Scarlet Gem

SINGLE DAHLIAS

These are effective in the garden, and are wonderful for cut-bloom.

LAVENDER GEM. Clear rosy lavender, 3-inch flowers. 25 cts. each, \$2.25 for 10.

NEWPORT PINK. A very attractive flower of soft Chatenay pink. Very decorative. 35 cts. each, \$3.15 for 10.

ORIOLE. Intense maroon-red, bright golden center. Dark red and green foliage. Very striking. 50 cts. each, \$4.50 for 10.

SCARLET GEM. Fine scarlet, 3-inch flowers. Very free blooming. 25 cts. each, \$2.25 for 10.

TANGO CENTURY. One of the loveliest bronzy yellow Singles. Good stems. Free bloomer. 25 cts. each, \$2.25 for 10.

WHITE LADY. A large, pure white variety, with golden yellow center. Very free bloomer. 35 cts. each, \$3.15 for 10.

COLLECTION No. 94F: One root each, above 6 varieties (value \$1.95), for \$1.50.

POMPON DAHLIAS

We offer below a select list of these beautiful Pompon Dahlias, a miniature form of the Show Dahlias, having the same ball-like form, but much smaller in size. The plants are also smaller, of branching habit, and produce an endless profusion of flowers which are invaluable for table decoration and boutonnieres.

Betty Anne. Dainty pink.

Darky. Deep maroon, almost black.

Edith Muller. Rosy orange and yellow.

Golden Beauty. Bright yellow.

Indian Chief. Rich red tipped white.

Mary Munns. Fuchsia or deep lavender.

Morning Mist. Light lavender and white.

Red Gem. Rich deep red.

Snowbird. Pure white.

Above 9 varieties, 25 cts. each, \$2.25 for 10

COLLECTIONS OF POMPON DAHLIAS

No. 94D. Six roots from the above list; our selection (value \$1.50).....\$1.25
No. 94E. Nine roots, 1 each of the above (value \$2.25).....\$1.75



Dahlia, Bishop of Llandaff

GROUND-COVERS OF UNUSUAL PLANTS



Pachysandra

For Deep Shade

PACHYSANDRA terminalis. *Japanese Spurge.* Fine ground-cover for shade or semi-shade. Its bright glossy green foliage is invaluable for bordering walks and drives. It is often used with success under trees where nothing else will grow. For quick results, plant 9 inches apart. Height 6 to 9 in. 2-yr. field-plants, \$2.50 per doz., \$15 per 100, \$100 per 1000.

VINCA. *Periwinkle; Old Maid; Myrtle.* Grand ground-covers for shade.

Minor. Delicate blue flowers with glossy green foliage.

Minor alba. White flowers show up well against the dark glossy foliage.

The above Vincas, \$3.25 per doz., \$20 per 100

HEDERA helix. *English Ivy.* Fine for under trees and banks. 2¼-inch pots, \$1.50 per doz., \$10 per 100.



Epimedium

For Partial Shade

AJUGA. *Bugle-Flower.* Splendid carpeting plants and ideal ground-covers.

Reptans. ★ Dark blue flowers. 4 to 6 in. June.

Reptans, Pink Spires. ★ Very effective because of its soft pink flowers on long spikes. 6 to 9 in.

The above Ajugas, \$3.25 per doz., \$20 per 100

CHRYSOGONUM virginianum. *Golden Knee.* ★ The plant grows 4 to 6 inches high and requires a rich humusy soil. Bright, starry golden yellow flowers. May to Aug. \$3.75 per doz., \$25 per 100.

EPIMEDIUM. *Barrenwort.* ★ These dainty plants are suitable for semi-shady nooks. Ornamental foliage and fairy-like flowers.

Macranthum niveum. Myriads of delicate white flowers in May and June. 1 ft.

Macranthum roseum. Rosy pink flowers. 12 to 15 in. May, June.

Rubrum. Ferny foliage and deep ruby flowers in May. 12 to 15 in.

Sulphureum. Pale yellow. 1 ft. May.

The above Epimediums, \$3.75 per doz., \$25 per 100



Nepeta

For Full Sun

NEPETA. *Ground Ivy.* Old-fashioned plants of easy culture in the poorest of soils. They should be cut back after flowering, which will produce a very compact plant.

Mussini. ★ Masses of large blue flowers in June. 9 in.

Six Hills Giant. ★ A new hybrid with larger flowers and foliage. 1 ft.

PHLOX subulata. *Moss Pink; Mountain Pink.* ★ Plants with pretty moss-like evergreen foliage, are most suitable for banks. May. 3 to 6 in.

Alba. Pure white. **Rosea.** Rose-pink.

Lilacea. Lilac. **Rubra.** Crimson.

Divaricata Laphami. ★ Trusses of lavender-blue blooms in May. 9 in.

All above plants, \$3.25 per doz., \$20 per 100

HEDGE PLANTS FOR HOME AND GARDEN ENCLOSURE



Berberis Thunbergi pluriflora erecta *Truehedge Columnberry.* Pat. 110. A new Barberry of upright growth with rich green foliage turning bronzy in autumn. Lovely scarlet berries. Needs little or no trimming. It grows erect—making the perfect hedge. Plant 15 inches apart. Hardy. 1½ to 2 ft. 40 cts. each, \$1.60, for 5, \$6.75 for 25, \$24 per 100.



California Privet (Ligustrum ovalifolium). This is the most popular of all hedge plants. Should be set 1 foot apart in double rows in zigzag fashion. This practically places them 6 inches apart, which is desirable to get quick, dense growth. Will stand any amount of pruning to keep in form desired. Extra-strong, 3-foot plants, \$3 for 25, \$9 per 100, \$80 per 1000.



Berberis Thunbergi. *Japan Barberry.* It requires but little pruning to keep it in shape. The leaves are small, light green, and towards fall assume rich, brilliant colors, the fruit or berries becoming scarlet. Small spines deter trespassers breaking through. Extra-strong, 1½ to 2 ft., 4 to 6 branches, packed in bundles of 10 or 25 at \$3 for 10, \$6 for 25, \$20 per 100.

HARDY PERENNIAL PLANTS



Aconitum Fischeri



Anthemis, Thora Perry



Anemone japonica

The Perennial Plants catalogued here are grown in our nurseries at Farmingdale, Long Island. We do not make any super claims with regard to them except to say that the Long Island climate is conducive to rugged plants. Here we have humid summers and cold, wet

winters. These extremes of weather tend to produce "tough" plants which will thrive anywhere. We do not offer as hardy, plants which are definitely not so.

You may plant them with every confidence.

ACHILLEA. *Yarrow.* Showy border plants which do well in full sun.

Millefolium roseum. Finely cut foliage. Pink flowers. 2 ft. July.

Ptarmica, Perry's White. Pure white, double flowers. Good for cutting. 2 to 3 ft. Aug.

ACONITUM. *Monksblood.* Very effective in shady places. Requires a woody soil. **Fischeri.** Clear blue flowers. 3 to 4 ft. Sept.

Napellus. Rich dark blue. 4 ft. Aug.

Sparks' Variety. Deep violet-blue. Very stately, growing up to 5 feet.

Above 3 varieties, \$1.20 for 3, \$4.50 per doz.

AJUGA. *Bugle-Flower.* Splendid carpeting plants and ideal ground-covers for sun or shade.

Metallica. ★ Bronze foliage and blue flowers. 4 to 6 in. June.

Multicolor. ★ Leaves are multicolored varying from dark green to red, white, and yellow. 4 to 6 in., 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Reptans. ★ Dark blue flowers. 4 to 6 in. June.

Reptans alba. ★ Pure white flowers. 4 to 6 in. June.

Reptans, Pink Spires. ★ Very effective because of its soft pink flowers on long spikes. Perfect compact habit. Fine for the edges of paths and walks. 6 to 9 in. June, July.

ALYSSUM. *Basket of Gold.* These produce sheets of yellow flowers. Very suitable for rock-gardens, walls, and sunny borders.

Saxatile. ★ Golden yellow. 1 ft. May.

Saxatile, Silver Queen. ★ Lemon-yellow. 9 in. May.

ANCHUSA. *Alkanet.* These rank among the best blue summer-flowering plants.

Italica, Droptmore. Very showy and effective in borders. Brilliant royal blue. 4 to 5 ft. July. \$1 for 3, \$3.75 per doz.

Myosotidiflora. ★ Produces sprays of turquoise-blue flowers resembling forget-me-nots. 1½ ft. May, June. \$1.20 for 3, \$4.50 per doz.

Anemone japonica • Windflower

There are no prettier flowers for the autumn than these. Thriving in borders, in sun or partial shade, they produce a charming picture from early September to late October with their beautiful chalice flowers ranging from pure white to rose and crimson. They revel in a woody soil, i.e., rotted leaves, peat, etc.

Geant des Blanches. Huge white flowers. 3 ft.

Hupehensis. Early flowering. Rosy mauve. 1½ ft.

Queen Charlotte. Beautiful, large silvery rose flowers. 3 ft.

Rosea superba. Large deep rose flowers. 3 ft.

September Charm. Rosy pink. Very floriferous and popular. 2 ft.

Rubra. Dark crimson. 2 ft.

ANEMONE pulsatilla. *Pasque Flower.* ★ Lovely mauve flowers in late April and May. The flowers are covered with silky hairs and have golden stamens. 9 in.

Pulsatilla rubra. ★ A ruby counterpart of the above.

All Anemones, \$1.20 for 3, \$4.50 per doz.

ANTHEMIS. *Chamomile.* A lovely summer-flowering plant with elegant, finely cut foliage. Fine for cutting.

Thora Perry. A novelty from England, with bright yellow flowers. 3 ft. July, Aug. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Aquilegia • Columbine

Beautiful old-fashioned border plants of indescribable grace. All are excellent for cutting.

Alpina. A short-spurred variety; deep blue flowers. 3 ft. May.

Clematiflora. Very distinct in that the flowers resemble a clematis. Pastel shades. 2 ft. June. \$1 for 3, \$3.75 per doz.

Long-spurred Varieties. All flower in June, and are from 2 to 3 feet in height.

Blue Shades Rose and Pink Shades

Scarlet Shades Yellow Shades

Copper Shades Sawco Hybrids

Longissima. Bright yellow, with spurs 3 to 4 inches long. 2½ ft. June. \$1.50 for 3, \$5.50 per doz.

Aquilegia, Super-Spurred Colossal

A strain of gigantic-sized blooms, measuring 5 to 6 inches across, with spurs 4 inches long, covering a range of over 50 colors. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

ARABIS. *Rock-Cress.* ★ These make a wonderful spring display and are good for rock-gardens and as edgings for paths and borders. They are especially effective when associated with subjects like aubrietia and alyssum.

Albida fl.-pl. Pure white, fully double flowers, sweetly scented and resembling stocks. 9 in. May.

Rosabella. Very compact, with delicate pink flowers. 6 in. May.

Snowcap. Compact habit, with single white blossoms. 6 to 9 in. April.

Above varieties, \$1 for 3, \$3.75 per doz.

ARENARIA montana. *Sandwort.* ★ A fine rock-plant with very large snow-white flowers in early spring. Excellent for walls.

ARMERIA. *Thrift; Sea-Pink.*

Cæspitosa. Rare and beautiful. Neat tufts of stiff green foliage studded with pale pink flowers. 3 in. June. \$1 for 3, \$3.75 per doz.

Farmingdale Giants. A selected strain of giant-flowering Thrifts with stems 2 to 2½ feet high. Excellent for cutting. Many shades of pink, salmon, strawberry, etc. July, Aug. \$1 for 3, \$3.75 per doz.

ARTEMISIA, Silver King. *Ghost Plant.* A very decorative plant with white, finely cut leaves. Excellent in the perennial border to accentuate the beauty of flowering plants. 3 to 4 ft.

Other Artemisias

Our list of herbs on pages 26 and 27 includes *A. Abrotanum*, *A. Absinthium*, *A. Dracunculus*, *A. frigida*, *A. lactiflora* and *A. Stelleriana*.

PRICES, unless otherwise noted, 90 cts. for 3, \$3.25 per doz. Purchaser pays transportation beyond 50 miles of New York

★ Dwarf plants for the Rock-garden and edging the Perennial Border

GROWN ON OUR LONG ISLAND FARM



Aster Frikarti



Astilbe or Spiraea



Aster, Harrington's Perfected Pink

Aster • Michaelmas Daisy

Provide a wealth of bloom in September and October, and are as invaluable as chrysanthemums. Splendid for borders and also for naturalizing in woodland plantings. They thrive anywhere but have a preference for sandy loam and a dislike for overcrowding. The dwarf varieties provide much-needed fall color in the rock-garden.

Novæ-angliæ.

Barr's Pink. Large; bright pink. 5 ft. Sept., Oct.

Harrington's Perfected Pink. The finest pink Aster yet introduced. A clear, soft pink. 4 to 5 ft. Sept., Oct. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Mt. Rainier. Pure white. A rare and beautiful novelty. 4 to 5 ft. Sept., Oct. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Mrs. J. F. Raynor. Strong grower with crimson flowers. 5 ft. Sept.

Mrs. S. T. Wright. A rich purple. 5 ft. Sept.

Red Cloud. Pure deep pink. A rare and very fine novelty. 4 to 5 ft. Sept., Oct. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Novi-belgi. All varieties flower in September and October.

Alderman Vokes. Rosy pink flowers in great profusion. 3 ft.

Blue Gem. Semi-double; perfect clear deep blue. 4 ft.

Little Boy Blue. Bright blue semi-double flowers. 1½ ft.

Little Pink Lady. Large, semi-double, rich pink flowers. 1½ ft.

Mount Everest. Large, pure white flowers in great profusion. 4 ft.

Mulberry. A really new color—mulberry-red. 3 to 4 ft.

Palmyra. Fine double pink.

Queen Mary. Very large, soft lilac-blue flowers with golden centers. 4 to 5 ft.

Red Rover. One of the deepest of the reds. 3 ft.

Royal Blue. Myriads of large deep blue flowers. 3½ ft.

Above varieties, except where otherwise noted, \$1 for 3, \$3.75 per doz.

Aster novi-belgi, continued

Royal Pink. One of the best. Literally smothered with bright pink flowers.

Skylands Queen. Large flowers of an attractive powder-blue. 3 ft.

Strawberries and Cream. Novelty. The flowers open deep pink, changing to a softer pink, the whole plant having a color combination distinctly its own. 4 ft.

Above varieties, \$1 for 3, \$3.75 per doz.

ASTER, Dwarf Hybrids.

Countess of Dudley. ★ Clear pink.

Lilac Time. ★ Bright mauve.

Nancy. ★ Rose-pink.

Ronald. ★ Soft lilac.

Snowsprite. ★ Pure white.

Victor. ★ Pale blue.

ASTER, Various Species.

Alpinus, Goliath. ★ Large blue flowers with orange centers. 1 ft. June. \$1 for 3, \$3.75 per doz.

Amellus, King George. Large rich violet flowers. 2 ft. July. \$1 for 3, \$3.75 per doz.

Frikarti. Very free flowering, producing charming blue flowers of large size. One of the finest perennials of today. 2 ft. Aug.-Oct. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Hybridus luteus. Myriads of small starry yellow flowers on graceful stems. Compact. 2 ft. July-Sept.

ASTILBE, Spiraea. These fine summer-flowering plants, with their graceful ferny leaves and spikes of soft plummy flowers, revel in rich, damp soil.

Amethyst. Deep violet-purple. 2 ft. June.

Bergistol. Fine white-flowered variety. 3 ft. June.

Fanal. Vivid vermilion. Fine foliage. The best yet introduced. June-July. 2 ft. \$1.50 each, \$4.25 for 3, \$16 per doz.

Gladstone. Fine white. 1½ ft. June.

Gloria superba. Dwarf. Deep pink. 2 ft. June.

Rhineland. Delicate pink. 2 ft. June.

Salland. Tall red blooms. 4 ft.

Above Astilbes, except where otherwise noted, \$1.50 for 3, \$5.50 per doz.

AUBRIETIA. *Purple Rock-Cress.* These produce carpets 3 to 4 inches high, blanketed with flowers in April. They are recommended for rock-gardens, walls, and bordering paths.

Dr. Mules. ★ Violet-purple.

Graeca. ★ Mauve.

J. S. Baker. ★ Blue with white eye.

Monarch, Mixed. ★ A rainbow assortment of strong hybrids.

AURICULA. See *Primula auricula*.

BAPTISIA australis. *False Indigo.* Handsome plant with attractive foliage. Racemes of deep blue flowers. June. 3 ft.

BOLTONIA. *Bolton's Starwort.* These have the appearance of Michaelmas daisies, but flower in August. Excellent for planting in wild gardens or for that bit of ground where "Nothing will grow."

Asteroides. Single; white. 5 ft.

Latisquama. Lilac-pink. 5 ft.

BRUCKENTHALIA spiculifolia. *Spike's Heath.* ★ Dwarf, evergreen, heath-like shrub with pink flowers in July. Plants in 3-in. pots, 50 cts. each, \$5.50 per doz. Large, field-grown clumps, 75 cts. each, \$8 per doz.

BUDDLEIA. *Butterfly Bush.* See page 109.

CALLUNA. *Heather.* ★ These hardy, dwarf, evergreen flowering shrubs are natives of the moors of Scotland. They need a peaty soil and are well adapted for rock-gardens and for planting banks where they are ornamental throughout the year.

Vulgaris alba. White flowers in August. 6 to 8-in. plants, \$1.50 for 3, \$5.50 per doz. 12 to 15-in. plants, 75 cts. each, \$8 per doz.

Vulgaris aurea. Rose-pink flowers in August. Handsome golden foliage. 6 to 9-in. plants, 75 cts. each, \$8 per doz.

Vulgaris rosea. Dark green foliage. Pink flowers in August and September. 9 to 12-in. plants, 75 cts. each, \$8 per doz.

Carnations

These hardy plants prefer a well-drained soil and a sunny location. The flowers, which are produced from June until autumn, are large and of the most beautiful colors.

Perpetual Large-flowering. Stock raised from the best imported English seed. Very vigorous. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

PRICES, unless otherwise noted, 90 cts. for 3, \$3.25 per doz. Purchaser pays transportation beyond 50 miles of New York

★ Dwarf plants for the Rock-garden and edging the Perennial Border

THE "GARDEN CLUB" FLOWER-GATHERING SHEARS cut your flowers and hold them for you. Nickel-plated, \$1.75



Campanula persicifolia fl.-pl.

Campanula • Bellflower

These beautiful spring and summer flowering plants are most suited for the rocky and border. They are of easy culture.

Carpatica. ★ A compact-growing plant 6 inches high. Large clear blue flowers. July. \$1 for 3, \$3.75 per doz.

Carpatica alba. ★ White counterpart of the above. \$1 for 3, \$3.75 per doz.

Celtidifolia, E. Molyneux. Large panicles of pale blue flowers in great profusion in July and if cut back will flower again in the fall. 2½ ft. \$1 for 3, \$3.75 per doz.

Garganica. ★ Trailing habit. Covered with deep blue, starry flowers in July. \$1 for 3, \$3.75 per doz.

Glomerata superba. Terminal heads of rich purple flowers. 1½ ft. July. \$1 for 3, \$3.75 per doz.

Leutweini. ★ A novelty dwarf Campanula 6 inches high, for the rock-garden or border, having large, very pale blue flowers. June. \$1 for 3, \$3.75 per doz.

Olympica. Very graceful, like an enlarged Harebell. 30 in. June, July. \$1 for 3, \$3.75 per doz.

Persicifolia alba. Snow-white bells 1½ inches in diameter produced on long, wiry stems. June. \$1 for 3, \$3.75 per doz.

Persicifolia, Blue Gardenia. Double flowers of a beautiful shade of blue, gardenia-like in form. It blooms in June and July, with five to eight spikes per plant. Height 30 in. \$1 each, \$10 per doz.

Persicifolia fl.-pl. A good border plant with pale blue, double flowers. Fine for cutting. July. \$1.20 for 3, \$4.50 per doz.

Persicifolia, Telham Beauty. Long, wiry 3-foot stems with large, single, silvery lavender-blue bells. July. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

CANTERBURY BELLS. We offer these grand old-fashioned border plants which provide a wealth of blooms in June and July.

Single

Light Blue
Dark Blue
Pink
White
Mixed

Double

Light Blue
Dark Blue
Pink
White
Mixed

Cup and Saucer Bells

Pink White Mixed
Light Blue Dark Blue

All Canterbury Bells, 75 cts. for 3, \$2.75 per doz.

PRICES, unless otherwise noted, 90 cts. for 3, \$3.25 per doz. Purchaser pays transportation beyond 50 miles of New York

★ Dwarf plants for the Rock-garden and edging the Perennial Border



Shasta Daisy, Esther Read

CARYOPTERIS Mastacanthus superbus. *Mustache Plant.* A shrubby perennial growing to a height of 3 feet. The long branches are covered with whorls of most attractive flowers in September and October. Blue, Pink, or White. Strong plants, \$1 for 3, \$3.75 per doz.

CENTAUREA macrocephala. *Centaur.* The globe-thistle-like flowers of a rich yellow make a striking picture in the garden. 3 ft. July.

Ruthenica. Lemon-yellow, thistle-like flowers. 3½ ft. Aug.

CERASTIUM tomentosum. *Snow-in-Summer.* ★ A beautiful plant with silvery white foliage. Excellent for rock-gardens or for edging walks. Masses of snowy white flowers in June and July. 6 to 8 in.

CHELONE barbata Torreyi. Tubular flowers of vivid red. 3 ft. Aug.

CHRYSOOGONUM virginianum. *Golden Knee.* ★ A wonderful ground-cover for sun or partial shade. The plant grows 4 to 6 inches high and requires a rich humusy soil. Its bright starry golden yellow flowers, which are produced from May to Aug., and handsome dark green foliage make a striking color combination. \$1 for 3, \$3.75 per doz.

CHRYSANTHEMUM maximum. *Shasta Daisy.* All are of very easy culture and most suitable for cutting.

Alaska. Large white flowers 3 inches across. 2 ft. June.

Beauty of Nivelloise. Enormous white flowers with frilled petals from June till August. 2 ft. \$1 for 3, \$3.75 per doz.

Conqueror. Pure white flowers. A very strong grower. 3½ ft. July.

Dwarf Avalanche. An ideal plant for the front of the herbaceous border. Very floriferous. 1 ft. July.

Earliest of All. Large, pure white flowers in early June. 2 ft.

ESTHER READ. Large double pure white flowers on sturdy stems. Perfect for cutting. Blooms all summer. 18 in. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

CHRYSANTHEMUM leucanthemum, White Swan. A double white Shasta Daisy flowering in June and July. Fine for cutting. 2½ ft. \$1.20 for 3, \$4.50 per doz.

CHRYSANTHEMUM nipponicum. A very hardy shrubby specimen with large leathery leaves. Its 2-inch, pure white flowers are produced in late August. 2½ ft.

Single Chrysanthemums

We have picked out the following nine varieties and these are, in our estimation, the best. They are all of good habit, early flowering (late September and October), and have good foliage. 2½ to 3 ft.

Acacia. Graceful sprays of brilliant yellow.

Anna Hay. (Early flowering). Large, single, flesh-pink flowers with yellow centers. 2½ ft.

Autumn Lights. Brilliant coppery bronze.

Ceres. Old-gold, blended with chamois-yellow and soft coppery bronze.

Clara Curtis. (Early-flowering.) Deep pink, single flowers with yellow centers. 2½ ft.

Hebe. Soft luminous pink flowers with a delicate silvery halo.

Milky Way. Fine new creamy white; two rows of petals, yellow center.

Nancy Copeland. Splendid Chrysanthemum with 3½-inch flowers of brilliant spectrum red.

Saladin. Brilliant Chinese red shading to coral-red with copper overtones.

Mixed. All colors; not named.

All the above Chrysanthemums, \$1 for 3, \$3.75 per doz.

Double Korean Chrysanthemums

These are the best of the many varieties available. All are strong growers and, like the singles, provide a wealth of color in late September and October. All grow about 2½ feet high.

Burgundy. Stiff, strong stems. Rich, glowing, wine-colored flowers.

Eugene Wander. Large, deep yellow. Very early.

King Midas. Very large deep yellow flowers 4 inches in diameter.

Lavender Lady. A splendid novelty. Very large flowers, 4 inches in diameter, of an exquisite lavender-orchid.

Mandarin. A beautiful blending of coral, salmon, copper, and bronze.

Mrs. P. S. du Pont. Soft peach-pink with salmon-fawn overtones.

Pale Moon. Large flowers of palest shimmering yellow.

Roberta Copeland. Coppery pink petals, buff on the underside, making a beautiful combination.

Rose Glow. Vivid raspberry-pink. Extremely floriferous.

Symphony. A stunning combination of mauve, rose, and coppery rust.

Mixed. All colors; not named.

All the above Chrysanthemums, \$1.20 for 3, \$4.50 per doz.

Other Double Chrysanthemums

Amelia (Azaleamum). Perfect habit. Lilac-pink flowers up to 3 inches across, with 300 to 400 blooms on a plant. 15 in. Aug.

Frances Whittlesey. A large-flowered variety with beautiful bronze-garpet flowers. 2½ ft. Mid-Oct.

Double Chrysanthemums, continued
Granny Scovill. Well-formed flowers of coral-bronze. 2½ ft. Mid-Oct.
Jean Treadway. Lovely sparkling pink with a deeper pink center. 2 ft. Oct.
October Girl. A very large sparkling pink. 2 to 2½ ft. Oct.
R. Marion Hatton. Rich canary-yellow flowers produced in sprays. 3 ft. Oct.
Sequoia. One of the most beautiful of the early-flowering hardy varieties. Blooms 4 to 5 inches across, of a lovely buff color with a deeper center. 2½ ft. Early Oct.
Tasiva. A dwarf plant with many large pure white flowers. 1½ ft. Oct.
Mixed. All colors; not named.

Cushion Chrysanthemums

Perfect moundlike habit. Hundreds of flowers on every plant. Available in the following colors:

Bronze Red Yellow White Pink

Pompon Chrysanthemums

Goblin. Warm bronze.
Irene. Often has 300 white buttons on a plant; long stiff stems. 2½ ft. Oct.
Judith Anderson. Brilliant yellow buttons, shading to orange. 2 to 2½ ft. Oct.
Lilian Doty. Large incurved pink Pompons. 3 ft. Oct.
Petit Jean. Pale pink Pompon. 2½ ft. Oct.
Red Doty. Rich wine-red.
Sonny Boy. A bright light yellow Pompon. 1½ ft. Sept.
Yellow Doty. Rich chrome-yellow.
Mixed. All colors; not named.

Northland Daisies

They are selections from thousands of seedlings of Astrid, after eliminating all but the earliest and sturdiest. Heavy crowns which produce symmetrical plants without pinching, and in early October are covered with flowers.
Brunhilde. Bronze, tinged pink. Double row of long, narrow petals.
Freya. Light pink; double row of petals. Dwarf, compact plant.
Igloo. Large pure white.
Kristina. Large flowers with wide long petals of deep rose-pink.
Rheingold. Yellow-bronze. Broad, closely spaced petals.
Siegfried. Rich yellow. Long, broad petals. Upright globular plant.
Viking. Burnt-orange; very long-pointed petals. Plant is mound-like.
All have yellow centers. Your choice, \$1 for 3, \$3.75 per doz.

COLLECTION NO. 105

1 each of 7 varieties.....\$2 00
 3 each of 7 varieties (21 plants)..... 5 50

Spoon Chrysanthemums

A novelty, unusual in the flower formation. Blooms are fully double, but the tip of each tubular petal flares out in a spoon shape. We offer **Pink, White, Rose, Orchid, Golden, Jasper Red, and Yellow.** \$1 for 3, \$3.75 per doz.

COLLECTION 104C

1 each of 7 colors.....\$2 00
 3 each of 7 colors..... 5 50

CORONILLA cappadocica. A trailing plant with a profusion of golden pea-shaped flowers. July, Aug. \$1 for 3, \$3.75 per doz.



Spoon Chrysanthemums

COREOPSIS. Tickseed. Old-fashioned border plants of very easy culture. Great profusion of flowers in July and Aug.

Mayfield Giant. An improvement on the old *C. grandiflora*, with larger yellow flowers and longer stems. 3 ft.

Perry's Variety. Beautiful semi-double flowers of rich golden yellow. 2½ ft.

Verticillata. ★ Dwarf, compact plant 9 to 12 inches tall. Myriads of starry orange flowers from June until September.

CYNOGLOSSUM nervosum. A very choice plant of easy culture, with brilliant gentian-blue flowers in July. 1½ ft.

Daphne Cneorum • Garland Flower

★ A dwarf evergreen shrub with clusters of bright pink, intensely fragrant flowers in May, and again in September. It enjoys a sandy, peaty soil. 8 to 10-in. plants, 90 cts. each, \$10 per doz.; 12 to 15-in. plants, \$1.50 each, \$16 per doz.

Sawco Long-Island-Grown Delphiniums • Perennial Larkspurs

The Delphinium is aptly named the king of border plants, and despite the general opinion that it is of difficult culture, quite the opposite has been our experience, provided a few simple requirements are taken care of. First, the plants must have a well-drained soil; secondly, they need a menu of bonemeal, and careful additional feedings of Nitrophoska and Scotch Soot. In the early spring, spray with Bordeaux. Should mildew appear later in the season, dust with sulphur.

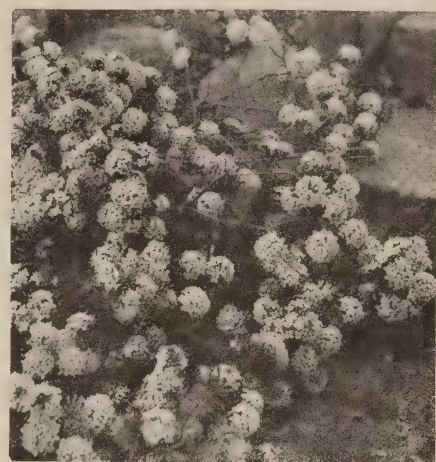
Wave Crest Blue Shades. One-year plants. A very delicate strain of pale and light blue. 75 cts. each, \$8 per doz.

Delft Blue Shades. One-year plants. True blue of decided beauty. 75 cts. each, \$8 per doz.

Salon Blue Shades. One-year plants. This strain abounds in rich dark velvety tints. 75 cts. each, \$8 per doz.

Super-Gold Medal Hybrids. A splendid color-range from light blue to deep purple. Yearling plants, 90 cts. for 3, \$3.25 per doz.; 1-yr. plants, \$1 each, \$11 per doz.; 2-yr. plants, \$1.50 each, \$16 per doz.

Hollyhock Strain. These are the well-known Wrexham Hybrids of fine form which provide a splendid color-range. 55 cts. each, \$1.50 for 3, \$5.50 per doz.



Daphne Cneorum (Garland Flower)

Delphinium, continued

Belladonna. Clear turquoise-blue with a glistening sheen. 90 cts. for 3, \$3.25 per doz.; 2-yr.-old plants, \$1 each, \$11 per doz.

Belladonna, Cliveden Beauty. Bright sky-blue flowers on very large spikes. 4 ft. July. \$1.20 for 3, \$4.50 per doz.

Bellamosa. A dark blue form of Belladonna. The two go very well together.

Chinensis. Deep blue flowers and finely cut foliage. 2 ft. July.

Chinensis alba. A white form of the above.

PACIFIC HYBRIDS. These plants with their very fine foliage and long, well-balanced spikes of flowers, are extremely vigorous and very resistant to disease.

Blue Jay. Bright blue with gray overtones.

King Arthur Series. Royal violet.

Guinevere Series. Light lavender-pink.

Summer Skies Series. Clear light blue.

White Series. Clear glistening white.

Round Table. Mixture of all colors.

The Pacific Hybrids are 55 cts. each, \$1.50 for 3, \$5.50 per doz.

DIANTHUS. Garden Pinks. Plants of compact habit with fragrant flowers.

Beatrix. ★ Light salmon-pink, exquisitely scented flowers from May to Nov. 9 in.

Silvermine. ★ Novelty. Exactly like Beatrix except that the flowers are pure white. \$1 for 3, \$3.75 per doz.

Her Majesty. Large pure white, intensely fragrant flowers. 1 ft. June.

New Blue. The foliage of this splendid novelty is dark green. Its flowers, which resemble a sweet william, are profusely borne on 9-inch trusses and are of the most exquisite lavender-blue color. July -Sept. See illustration on page 100. \$1.20 for 3, \$4.50 per doz.

Scotch or Florists' Pinks. A wide range of colors in single and double. 1 ft. June.

Barbatus. See Sweet William.

DICENTRA. Bleeding-Heart.

Eximia. Fringed Bleeding-Heart. ★ A dwarf-growing plant with finely cut fern-like leaves and racemes of rose-pink flowers. Requires a woody soil. 1 ft. Apr. \$1.20 for 3, \$4.50 per doz.

Spectabilis. The very graceful, old-fashioned Bleeding-Heart which produces beautiful, bright rose, heart-shaped flowers on slender stems. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

PRICES, unless otherwise noted, 90 cts. for 3, \$3.25 per doz. Purchaser pays transportation beyond 50 miles of New York

★ Dwarf plants for the Rock-garden and edging the Perennial Border



Gaillardia, The Imp

DIGITALIS. *Foxglove.* Valuable plants for borders, woods, and wild gardens, with lush foliage and long spikes of beautiful tubular flowers.

Giant Shirley. In separate colors: pink white, purple, yellow and mixed. 5 to 6 ft. June. 75 cts. for 3, \$2.75 per doz.

DORONICUM. *Leopard's Bane.* Exceptionally handsome early-flowering perennials of very easy culture in ordinary garden soil, in sun or semi-shade. Excellent for cutting.

Clusi. ★ Bright yellow flowers on 9-inch stems. May.

Excelsum. Yellow flowers 2 to 3 inches in diameter on 2½-foot stems. May.

Pardalianches. *Golden-bunch Doronicum.* Bright yellow. 2½ ft. June.

Above varieties, \$1 for 3, \$3.75 per doz.

ECHINOPS Ritro. *Globe Thistle.* A striking plant with handsome, silvery, thistle-like foliage and metallic-blue flowers. 3 to 4 ft. July.

Taplow Blue. Many heads of brilliant blue flowers. Good for cutting. 3 to 4 ft. July. 65 cts. each, \$6.50 per doz.

EPIMEDIUM. *Barrenwort.* ★ These dainty little plants are especially suitable for rock-gardens and semi-shady nooks. Ornamental foliage and fairy-like flowers.

Macranthum niveum. Myriads of delicate white flowers in May and June. 1 ft.

Macranthum roseum. A gem with its rosy pink flowers. 12 to 15 in. May, June.

Rubrum. Ferny foliage and deep ruby flowers in May. 12 to 15 in.

Sulphureum. Pale sulphur flowers. 1 ft. May.

The above Epimediums are \$1 for 3, \$3.75 per doz.

ERICA. *Heath.* ★ See also *Calluna*. Dwarf evergreen shrubs suitable for the rock-garden, border, or shrubbery.

Carnea. A plant of very compact habit. The buds form in the late fall and flowers are produced intermittently throughout the winter until finally, in March and April, the plant is smothered with its charming bright rose flowers. 9 in.

Carnea alba. A beautiful white-flowered form of the above.

Carnea, King George. A new hybrid with vivid dark red flowers.

Above Ericas, \$1.20 for 3, \$4.50 per doz.

PRICES, unless otherwise noted, 90 cts. for 3, \$3.25 per doz. Purchaser pays transportation beyond 50 miles of New York

★ Dwarf plants for the Rock-garden and edging the Perennial Border

Erica, continued

Mediterranea. This beautiful pink-flowered Heath grows about 2½ feet high. July, Aug.

Vagans. A dwarf, compact Heath with spikes of flesh-pink blooms in August.

Vagans, St. Keverne. A new hybrid in a lovely sparkling pink. 1½ ft. July.

Above Ericas, \$1.20 for 3, \$4.50 per doz.

ERODIUM chamædryoides. Heron's Bill.

★ The foliage is in the form of a neat tufted rosette from which arise the beautiful pink flowers on 2-inch stems. June. \$1 for 3, \$3.75 per doz.

EUPATORIUM. *Hardy Ageratum.* Robust plants especially suitable for herbaceous borders and wild and woodland gardens.

Ageratoides. Pure white flowers and dark green leaves. 2 ft. Aug.

Cœlestinum. This pretty plant, with its light mauve-blue flowers, is excellent when associated with other fall-flowering plants. 2 to 3 ft. Aug.

Fuchsia, Scarlet Beauty

It is of upright habit and blooms freely during the entire summer. While it will stand the full sunlight, it delights in semi-shade. The four sepals are deep purple, the corolla bright ruby-red. Requires some protection north of Philadelphia. 3-in. pot-plants, 55 cts. each, \$1.50 for 3, \$5.50 per doz.

FUNKIA. *Plantain Lily.* This hardy plant from Japan is especially suitable as a foliage plant in dark and shady places.

Fortunei robusta. Glaucon green foliage. Lilac-blue flowers. 2 ft. July.

Lancifolia albo-marginata. Striking green and white variegated foliage. Blue flowers. 2 ft. July.

Subcordata grandiflora. Large leaves of refreshing green and tremendous spikes of pure white flowers. 1½ to 2 ft. July.

Gaillardia • Blanket Flower

Produce a continual display of richly colored flowers from June until October and are unsurpassed for their brilliance.

Goblin. A dwarf variety. Bright yellow flowers with a deep red zone. 12 to 15 in.

Mr. Sherbrook. A grand variety with large round flowers of pure yellow, on long stems. 2 ft. \$1.20 for 3, \$4.50 per doz.

Portola. Coppery scarlet flowers margined with gold. 2½ ft.

Ruby. A ruby-red companion of Mr. Sherbrook; effective when planted together. 2 ft. \$1.20 for 3, \$4.50 per doz.

S. & W. Giant Hybrids. A grand strain from all the best hybrids. 2½ ft.

The Imp. ★ *Novelty.* Large, bronze-crimson flowers on 4-in. stems. A compact mound 18 to 24 inches across. \$1.20 for 3, \$4.50 per doz.

GENTIANA acaulis Clusi. *Gentian.* ★ Vigorous grower, of simple culture. The flowers, which are 2 to 3 inches long and 1 inch in diameter, make their first appearance through the snow in March, continuing throughout April, and again in the late fall. Plant in partial shade. \$1.20 for 3, \$4.50 per doz.

GERANIUM pectinatum. Crane's-Bill. ★

A very pretty plant of compact habit with most attractive small Geranium-like leaves and rosy pink flowers. 1½ ft. \$1.20 for 3, \$4.50 per doz.

Patulum. Large, brilliant blue flowers. 18 in. June, July. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

GERBERA. *Transvaal Daisy.* These beautiful daisy-like flowers 4 to 5 inches in diameter, embrace shades of red, orange, rose, to white and yellow.

Jamesoni Hybrids, Single. A splendid mixture of all shades. July-Oct. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Jamesoni Hybrids, Double. Perfectly double flowers of the most beautiful pastel shades. 75 cts. each, \$8 per doz.

Geum • Avens

Beautiful, hardy, low, compact plants from which arise the graceful stems bearing their bright-colored blossoms.

Dolly North. Semi-double flowers of rich apricot. 2 ft. June-Sept.

Fire Opal. Semi-double, orange-scarlet flowers. Very striking. 2 to 2½ ft. June-Sept.

Princess Juliana. Very large, semi-double flowers of pure orange. June-Sept.

Wilton Ruby. ★ *Novelty.* Semi-double, brilliant ruby flowers with orange overtones. 1½ ft. July-Sept.

All above Geums, \$1.20 for 3, \$4.50 per doz.

Gypsophila • Baby's Breath

They are excellent, in fact essential, for summer bouquets, and in the border their light, airy appearance will greatly enhance all other perennials.

Acutifolia. Lilac-rose flowers in light, graceful panicles. 3 ft. July.

Bristol Fairy. Very graceful, and one of the most popular varieties for cutting, having huge panicles of pure white double flowers. 4 ft. July, Aug. 1-yr. pot-plants, \$1.20 for 3, \$4.50 per doz.; 2-yr. field-grown, 60 cts. each, \$6.50 per doz.

Pacifica. Rose-colored sort, flowering later than *Paniculata*. 2½ to 3 ft. Aug.

Paniculata. Masses of small, pure white, single flowers. 2½ to 3 ft. July.

Repens Bodgeri. ★ A dwarf variety, excellent for edgings and the rock-garden. Very light pink, double flowers. 1 ft. \$1.20 for 3, \$4.50 per doz.



Geum, Wilton Ruby

KNEEL AMONG YOUR PLANTS

in comfort, and without risk of catching cold; order the new waterproof KNEE PADS \$1.75 per pair

HELIANTHUS. *Perennial Sunflower.* Tall, choice border plants, fine for naturalizing and for providing an abundance of cut-flowers in late summer.

Monarch. Large, deep yellow-orange, single flowers. 5 ft. Aug., Sept.

Soleil d'Or. Double, 3-inch dahlia-like flowers of rich yellow. Excellent for cutting. 4 to 5 ft. July until late Sept. \$1.20 for 3, \$4.50 per doz.

HELIOPSIS. *North American Ox-Eye.* Very choice perennial, easily grown anywhere, its only requirement being plenty of sunshine.

Heliopsis patula. *European novelty.* Rich cadmium-yellow; 3 rows of erect petals. A splendid companion to *H. incomparabilis*. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Incomparabilis. *Novelty.* A grand plant that blooms in June and July; if cut back then it will start again in September and bloom until frost. The individual flowers are 3 inches across and of the richest golden yellow. 2½ to 3 ft. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Helleborus

(*Hellebore; Christmas Rose; Lenten Rose*)

The Hellebores need a deep rich soil and semi-shade. They look very well planted at the base of a broad-leaved evergreen, or in a sheltered nook in the rock-garden. Once planted they should not be disturbed; then, after a period of a year or so, they will throw their beautiful flowers in ever-increasing profusion.

Caucasicus. A strong-growing plant with greenish white flowers, from March to April. 1½ ft. 75 cts. each, \$8 per doz.

Niger. *Christmas Rose.* Big, dark green, leathery leaves and very large white flowers which are produced from December until February. 1 ft. \$1.50 each, \$16.50 per doz.

Orientalis. *Lenten Rose.* These beautiful flowers range in color from white to pink, rose, and deep plum, and bloom from late February until April. Mixed colors only. 1 ft. \$1 each, \$11 per doz.

COLLECTION No. 107A

One each of above 3 varieties, \$3



Heliopsis incomparabilis

HELENIUM. *Sneezewort.* Fall-flowering perennial of easy culture. The flowers have warm autumn tints; excellent for cutting.

Browngold. Flowers are a combination of coppery orange and old-gold, in a shot-silk effect. 4 to 5 ft. July-Sept. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Riverton Beauty. Lemon-yellow. 4 to 5 ft. Aug., Sept.

Riverton Gem. Crimson-brown, shot with gold. 4 to 5 ft. Aug., Sept.

HELIANTHEMUM. *Sun Rose.* ★ Dwarf, evergreen, shrubby plants with myriads of brilliantly colored flowers in June and July. 6 to 10 in. We offer in Yellow, Orange, Scarlet, Pink, White, or Mixed.

Hemerocallis • Day-Lily

The tall, graceful grass-like foliage sets off the charming fragrant lily-like flowers very effectively. We are now able to offer varieties which carry the blooming season from May until July. After each variety is the date on which the first blooms appear at our perennial farm. The season of bloom for each is from 4 to 6 weeks.

Bay State. Large orange flowers. 3 ft. June 25. 50 cts. each, \$5.50 per doz.

D. D. Wyman. Large; golden yellow with brown bars. 3 ft. June 17. 50 cts. each, \$5.50 per doz.

Dover. Large; golden yellow. Early. May 25. 2½ ft. 50 cts. each, \$5.50 per doz.

Dr. Regel. Rich orange-yellow; fragrant. 2 ft. May 20.

George Yeld. Large; golden yellow with brown suffusion. 3½ ft. July 1. 50 cts. each, \$5.50 per doz.

Gold Dust. Orange flowers in profusion. 2½ ft. May 25.

Goldeni. Golden yellow. 3 ft. June 8.

Gypsy. Very deep orange. 4 ft. June 17. 50 cts. each, \$5.50 per doz.

Hyperion. Citron-yellow. Considered the finest. 3½ ft. 75 cts. each, \$8 per doz.

J. A. Crawford. Fine apricot-yellow. 4 ft. June 17. 50 cts. each, \$5.50 per doz.

Lemona. Beautiful large pale yellow flowers. 3½ ft. June 17. 75 cts. each, \$8 per doz.

Mikado. *New.* Rich orange-purple shading. 75 cts. each, \$8 per doz.

Ophir. Tall; lemon-yellow. 4 ft. June 25. 50 cts. each, \$5.50 per doz.

The Gem. Pale gold. 3 ft. June 15. 50 cts. each, \$5.50 per doz.

Super-Collection of Hemerocallis No. 107B

1 plant each of the above 6 varieties marked ●, value \$3.25, \$2.75

3 plants each of the above marked ●, \$7.50

HEUCHERA. *Alum-Root; Coral Bells.* ★ Splendid plants of compact habit. Graceful spikes of flowers.

Bloom's Variety. Large, rich red flowers on 18-inch stems. Pretty mottled foliage.

Oakington Jewel. Vigorous spikes of many small coral-pink bells. Beautiful dark mottled foliage.

Snowflake. Sturdy 18-inch spikes of large pure white flowers.

Above Heucheras, \$1.20 for 3, \$4.50 per doz.



Hollyhock, Haile Selassie

Hollyhocks

(*Althea rosea.*) These old favorites, gay with color during July and August, are striking as a background for other flowers in the perennial bed and in the shrubbery.

SUPERB DOUBLE HOLLYHOCKS.

Chamois	Salmon-Pink
Deep Rose	Scarlet
Maroon	White
Newport Pink	Yellow
Double, Mixed	Prince of Orange

SUPERB SINGLE HOLLYHOCKS.

Apricot	Purple	Yellow
Lilac	Scarlet	Single, Mixed
Pink	White	

All the above Hollyhocks, 75 cts. for 3, \$2.75 per doz.

Novelty Sensation

Haile Selassie. *The Black Hollyhock.* The plants grow 6 to 8 feet high, with large, perfectly set flowers of a dark chocolate color which is further enhanced by beautiful pale yellow stamens. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

HIBISCUS. *Mallow.* Strong-growing perennials with beautiful flowers 4 to 5 inches in diameter in August. 5 to 6 ft.

Mallow Marvels. Red, White, and Pink.

White-with-Crimson-Eye, Pink, and Red. 1-yr. plants, 90 cts. for 3, \$3.25 per doz.; extra-heavy 2-yr. plants, \$1.20 for 3, \$4.50 per doz.

INCARVILLEA Delavayii. Large pink Gloxinia-like flowers. 2 ft. June, July. \$1 for 3, \$3.75 per doz.

HERBS. *Mint, Sage, Thyme* and many other culinary and fragrant herbs are described and offered on pages 26 and 27. Interesting plants, also, that held high place in medieval medicine.

PRICES, unless otherwise noted, 90 cts. for 3, \$3.25 per doz. Purchaser pays transportation beyond 50 miles of New York

★ Dwarf plants for the Rock-garden and edging the Perennial Border



Crested Iris



German Iris



Japanese Iris



Siberian Iris



Miniature Iris

Iris germanica • German Iris; Flag

These beautiful flowering plants are one of the mainstays of the garden. They are all of easy culture, simply requiring a well-drained soil and plenty of sun. Care should be taken not to plant too deeply. They are at the height of their splendor in June.

- Alta California.** Beautiful yellow. 4 ft.
- Ambassadeur.** Standards rosy lilac; falls rich purple.
- Athene.** Tall bearded white.
- Bluet.** Pale blue, self-colored. Early.
- Dauntless.** Velvety near-red. 40 in.
- Dazzler.** Deep rose; very fragrant.
- Euphony.** Yellow; falls flushed blue. 3 ft.
- Evolution.** Tall bearded, self yellow.
- Freida Mohr.** A giant pink variety.
- Goblin Red.** Ox-blood-red. Quite distinct.
- Gold Imperial.** Deep chrome-yellow.
- Grisette.** Pleasing blend of violet, old-gold and light brown.

Grace Sturtevant. Rich mixture of dark red, brown, and violet-carmine, with a velvety finish on the falls. A striking feature of this flower is the bright golden beard, which is so prominent that it may be seen across the garden.

Henri Riviere. An excellent flower in delicate shades of soft yellow and pale lilac-mauve. The lilac shading is very delicate, so that the general effect is yellow. 3½ ft.

Indian Chief. Classed as one of the superior reds; it carries a bronzy overcast. Very large flower, quite tall, and well branched.

Midgard. Fine yellow variety with a suffusion of pink.

Milky Way. Milk-white, veined light lavender. Beautiful indeed.

Mrs. Valerie West. Brown-red and crimson; large, fragrant flower. 3 ft.

Pioneer. Rich red-purple.

Rameses. Combination of rose, pink, and buff. 3 ft.

Seminole. Velvety red-purple with a bright orange beard.

Wedgwood. One-color flower—delicate pottery blue.

Spring and Fall-blooming Irises

This splendid group of Irises is evoking great interest in the garden world, because, after flowering profusely in the spring, they blossom again in the fall, after they have become well established.

Autumn King. Blue-purple of good substance. 3 ft.

Autumn Queen. A very pretty white, dwarfer than the King.

Dorcas Hutchinson. Very fragrant; deep violet self. Of great merit. 1½ ft.

Eleanor Roosevelt. Royal purple. 26 in.

Equinox. Reddish purple with darker falls. 26 in.

Peggy Babington. Rich clear canary-yellow. 28 in.

September Skies. Purple-red, excellent companion to Golden Harvest. 16 in.

All above Irises, \$1 for 3, \$3.75 per doz.

COLLECTION No. 108

1 each of the above 7 varieties, \$2.

3 each of the above 7 varieties, \$5.50.

Iris kaempferi • Japanese Iris

These Irises flower after the German Irises have gone, and will do well in almost any location, but especially well where it is moist.

IMPROVED VARIETIES.

Betty Holmes. Tremendous, pure white flowers. Perfect in its purity.

Elbrus. Double, clear lavender flower of immense size and splendid substance.

Light-in-the-Opal. Double; orchid-pink with glistening sheen. \$1.25 each, \$12 per doz.

Mahogany Giant. Deeper shade of velvety maroon than Mahogany, and larger.

Malmaison. Double, bluish violet blooms, suffused deep pink; white center.

Violet Giant. Rich violet; semi-double; frequently 27 inches in circumference.

White Giant. White with yellow markings.

All Improved Irises, except where noted, \$1 each, \$2.50 for 3, \$9 per doz.

STANDARD VARIETIES.

Azure. Double; large; mauve-blue.

Choseidan. Double; ruby-crimson.

Gold Bound. The best white variety.

Kamata. Deep blue, veined yellow.

La Favorite. Double; white, veined blue.

Mrs. George Stumpp. Single; white.

Painted Lady. Single; purple, white center. Not difficult to grow.

Pyramid. Tall. Dark violet-purple, yellow blotch.

Templeton. Double; light violet, mottled reddish pink and white.

Violet Beauty. Deep violet; single.

All Standard Irises, 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Iris sibirica • Siberian Iris

They make large clumps of decorative grassy green foliage and produce an abundance of flowers excellent for cutting. 3½ to 4 ft. June.

Emperor. A dark violet-blue.

Perry's Blue. Clear sky-blue.

Snow Queen. Pure white.

All above Irises, 75 cts. for 3, \$2.75 per doz.

Miniature Irises

★ An early dwarf type, blooming along with the daffodil. Beautiful and delicate in appearance, yet especially hardy. Recommended for the rock-garden, for edging the border or alongside the garden path.

Fauntleroy. ★ Standards white edged soft yellow; falls purple edged yellow. 6 in.

Mogador. ★ Milk-white standards; falls soft yellow. 12 in.

Rose Mist. ★ Soft rose-lilac. 10 in.

Sound Money. ★ Rich golden yellow. Blooms spring and fall. 8 in.

Tampa. ★ Brilliant mulberry-red. 1 ft.

Tony. ★ Brilliant dark ruby-red. 1 ft.

All above Irises, 75 cts. for 3, \$2.75 per doz.

IRIS PUMILA. ★ *Dwarf Iris.* Lovely little Iris only 8 inches high. Blooms in April and May. Useful for the rock-garden; can also be used for edging, or planting in front of tall Irises.

Excelsa. ★ Pale lemon-yellow.

Sambo. ★ Dark violet-blue.

Schneekuppe. ★ A large showy white.

All above Irises, 75 cts. for 3, \$2.75 per doz.

IRIS CRISTATA. *Crested Iris.* ★ A dwarf Iris 4 to 6 inches high. Large crested flowers of soft amethyst-blue with a touch of gold. May.

IBERIS. *Perennial Candytuft.* ★ Beautiful dwarf evergreen plants thriving in sun or partial shade. Most useful for the rock-garden, edging paths, and perennial borders.

Gibraltarica. Beautiful pale lilac flowers in great profusion. May. 9 in.

Sempervirens, Little Gem. A very compact little bright green plant which becomes a mass of small white flowers in June. 6 to 8 in.

Sempervirens, Snowflake. A strong variety with green leaves and heads of perfect snow-white flowers in May. 1 to 1½ ft.

See page 97 for an Iris and Chrysanthemum Garden with a money-saving collection. This is a fine start toward an Iris collection.

PRICES, unless otherwise noted, 90 cts. for 3, \$3.25 per doz. Purchaser pays transportation beyond 50 miles of New York

★ *Dwarf plants for the Rock-garden and edging the Perennial Border*

SEVEN NEW PHLOX

Will give you a gorgeous display from August to frost

Catherine. Lavender, flecked white.
24 in.
Dr. Klemm. Bright lavender, darker
lavender eye. 18 in.
Eva Foerster. Salmon-pink, lighter
eye. 15 in.

Emain Macha. Crimson-carmine. 18 in.
Flash. Cherry carmine, darker eye. 25 in.
Harvest Fire. Fiery pink, darker eye.
30 in.
Marie Louise. The best pure white.
25 in.

55 cts. each, \$1.50 for 3, \$5.50 per doz.

COLLECTION 95A

7 PLANTS, 1 each of above 7 varieties \$3.50 21 PLANTS, 3 each of above 7 varieties \$10
84 PLANTS, 12 each of above 7 varieties \$35

1 Harvest Fire. 2 Catherine. 3 Marie Louise. 4 Eva Foerster. 5 Emain Macha. 6 Dr. Klemm.



DELPHINIUM, NEW GIANT PACIFIC HYBRIDS

PACIFIC HYBRIDS

These plants with long, well-balanced spikes of enormous flowers are extremely vigorous and resistant to disease.

BLUE JAY. Bright blue, gray overtones.
KING ARTHUR SERIES. Brilliant royal violet.

GUINEVERE SERIES. Light lavender-pink.

SUMMER SKIES SERIES. Clear light blue.

WHITE SERIES. Clear glistening white.

ROUND TABLE. A mixture of all colors.

55 cts. each, \$1.50 for 3, \$5.50 per doz.

COLLECTION 95B

6 PLANTS, 1 each of the above 6 varieties \$3

18 PLANTS, 3 each of the above 6 varieties \$8

72 PLANTS, 12 each of the above 6 varieties \$27.50



OENOTHERA, Illumination

Novelty

Long salmon-pink buds and golden yellow $1\frac{1}{2}$ -inch flowers. Perfect pyramidal shape. Hundreds of flowers from June to fall. $1\frac{1}{2}$ to 2 ft. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

CAMPANULA persicifolia fl.-pl.

A good border plant with pale blue, double flowers. Fine for cutting. July. \$1.20 for 3, \$4.50 per doz.



Top-Notch
PERENNIALS
*to brighten
your garden*



DAPHNE CNEORUM

Garland Flower

Dwarf evergreen shrub; flowers both in May and September. 8 to 10-in. plants, 90 cts. each, \$10 per doz.; 12 to 15-in. plants, \$1.50 each, \$16 per doz.



ASTILBE, FANAL

Vermilion with reddish green foliage. June-July. 2 ft. \$1.50 each, \$4.25 for 3, \$16 per doz.



PAPAVER ORIENTALE

Cerise Bedder

Rich sparkling cerise flowers 4 to 6 inches across with two rows of petals. *Fine for cutting.* 55 cts. each, \$1.50 for 3, \$5.50 per doz.

SCABIOSA

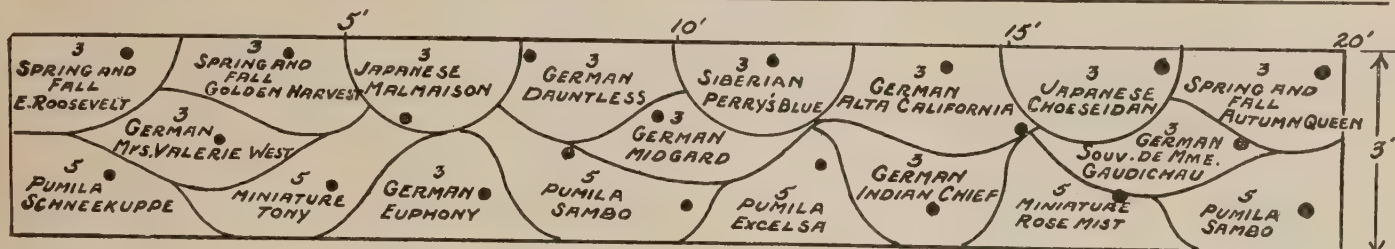
Scabious; Pincushion Flower

A fine perennial needing a rich soil which is slightly alkaline. Large flowers borne on long, wiry stems make it a fine subject for cutting.

Caucasica, Giant Hybrids, Mixed (Isaac House Strain). Delicate lilac and mauve predominate, but pure white and even dark blues often occur. 2 ft. July-Sept. \$1.20 for 3, \$4.50 per doz.



An IRIS GARDEN in Spring . . . with CHRYSANTHEMUMS in Fall



Iris and Chrysanthemum Garden. Chrysanthemums indicated thus (●)

COLLECTION No. 113, \$15 (90 plants). Retail value \$22.90

- 5 Pumila Iris, Excelsa.
- 10 Pumila Iris, Sambo.
- 5 Pumila Iris, Schneekuppe.
- 5 Miniature Iris, Rose Mist.
- 5 Miniature Iris, Tony.
- 21 Chrysanthemums, our selection, 3 plants each of 7 varieties.

- 3 Japanese Iris, Choseidan.
- 3 Japanese Iris, Malmaison.
- 3 German Iris, Alta California.
- 3 German Iris, Dauntless.
- 3 German Iris, Euphony.
- 3 German Iris, Indian Chief.
- 3 German Iris, Midsgard.

- 3 German Iris, Mrs. Valerie West.
- 3 German Iris, Souv. de Mme. Gaudichau.
- 3 Siberian Iris, Perry's Blue.
- 3 Spring and Fall Iris, *Autumn Queen.
- 3 Spring and Fall Iris, *Eleanor Roosevelt.
- 3 Spring and Fall Iris, *Golden Harvest.

Total 90 plants

*This type has two blooming periods.

LAVANDULA. *Lavender.* Old-fashioned, fragrant plants with beautiful gray foliage and wiry spikes of lavender-blue flowers. The whole plant is aromatic and the flowers are much used in the making of sachets.

Lavandula Twinkle Purple

A new variety with deep purple-blue flowers. 2 ft. June. \$1.20 for 3, \$4.50 per doz.

Vera, Munstead. A taller-growing variety with gray-green foliage. 2 to 2½ ft. June.

LIATRIS. *Blazing Star; Gayfeather.* These showy North American natives all have grassy leaves and extremely bold spikes of flowers.

Pycnostachya. A most attractive perennial with long spikes of rich purple flowers. 4 ft. Sept.

Liatriis

Scariosa alba. A splendid new variety with very heavy spikes of snow-white flowers produced in September. A grand border plant for this time of year. 5 ft. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Scariosa, September Glory. A new introduction and a veritable giant, growing up to 7 feet high. The gigantic flower-spikes are a rich purple from top to bottom, and in late September make a marvelous display. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

LINUM. *Flax.*

Flavum. A dwarf shrubby plant with bright golden yellow flowers from June to August. 1 ft.

Perenne. Old-fashioned border plant, absolutely indispensable. The foliage is light and graceful, and its bright blue flowers rest on the plant like blue butterflies. Myriads of blooms are produced incessantly from June until the autumn.

LOBELIA cardinalis. *Cardinal Flower; Indian Paint-Brush.* A lovely plant, ideal for semi-shady locations or near the water's edge and a gem for naturalizing. Brilliant scarlet flowers. 3 to 4 ft. \$1 for 3, \$3.75 per doz.



Russell Lupins

Lupinus polyphyllus • Lupine

Extremely handsome perennial with beautifully palmate foliage and long spikes of brilliantly colored pea-shaped flowers in June and July.

Blue Shades
Rose Shades

Red Shades
Mixed Shades
Pure White

Russell Lupins

The much-publicized hybrid Lupins from England. These wonderful plants bear tremendous spikes, in colors and combinations never seen before; the fruit of years of careful work. 3 to 5 ft. June, July. We offer strong, 3-inch pot-plants, 55 cts. each, \$1.50 for 3, \$5.50 per doz.

LYCHNIS. *Rose Campion; Catchfly.* A handsome plant of easy culture in any garden soil. They like a sunny situation, and are excellent for beds or perennial borders.

Chalcedonica. Heads of vivid scarlet flowers in June and July. 3 to 4 ft.

Viscaria splendens fl.-pl. A wonderful plant making a tuft of grassy foliage from which arise stiff stems, smothered with large, double, and extremely beautiful rose-pink flowers in great profusion. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

LYTHRUM, Red Beacon. A great improvement on the old variety. Tall cerise-pink spikes. Aug.-Oct. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

MATRICARIA inodora plenissima. *Chamomile; Feverfew.* A double white variety with attractive ferny foliage and an abundance of flowers. June, July. 2 ft.

MAZUS reptans. ★ A beautiful plant of carpeting habit, fine for the rock-garden, especially in the crevices of walks and steps. It grows ½ inch high, and in spring is smothered with lilac flowers.

MONARDA. *Bee Balm; Oswego Tea; Bergamot.* Old-fashioned plants of easy culture anywhere. Highly aromatic leaves and pretty spikes of flowers.

Dahliatown Orchid. A novelty of great merit. Charming orchid-pink flowers. 2½ to 3 ft. July. \$1.20 for 3, \$4.50 per doz.

Didyma rubra. Bright red flowers in July. 2½ ft.

Didyma, Salmon. A salmon-flowered variety of the above. 2½ ft. July.

Myosotis • Forget-me-not

Alpestris. ★ Compact little plant smothered with brilliant royal blue flowers in May and June. They are especially effective in the rock-garden, as a ground-cover for tulips, and in the front of borders. 6 in.

Palustris semperflorens. ★ It is of creeping habit, and flowers from June until September. The florets are of a beautiful clear pale blue with small yellow eyes. 6 in.

NEPETA. *Ground Ivy.* Old-fashioned plants of easy culture in the poorest of soils. They should be cut back after flowering, which will produce a very compact plant.

Mussini. ★ Masses of large blue flowers in June. 9 in.

Six Hills Giant. ★ A new hybrid with larger flowers and foliage. 1 ft.

NEPETA CATARIA. *Catnip.* See Herbs, page 26.

NIEREMBERGIA. *Cup-Flower.* ★ Beautiful little plants with very little foliage and large flax-like flowers. Especially suitable for the rock-garden. 9 in. July.

Frutescens. Pale blue. 1 to 1½ ft.

Frutescens alba. Pure white form.

Rivularis. ★ A pretty matting plant 2 inches high with white flowers all summer. Protect in winter.

PRICES, unless otherwise noted, 90 cts. for 3, \$3.25 per doz. Purchaser pays transportation beyond 50 miles of New York

★ Dwarf plants for the Rock-garden and edging the Perennial Border



Enothera



Pentstemon, Garnet

ENOTHERA. *Evening Primrose.* ★ Striking plants for sunny location.

Glaucia Fraseri. Golden yellow cups in July and August. 1 to 1½ ft.

ENOTHERA, Illumination. *Novelty.* Long salmon-pink buds and golden yellow 1½-inch flowers. Perfect pyramidal shape. Hundreds of flowers from June to fall. 1½ to 2 ft. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

PACHYSANDRA terminalis. *Japanese Spurge.* Fine ground-cover for shade or semi-shade. Its bright glossy green foliage is invaluable for bordering walks and drives. It is often used with success under trees where nothing else will grow. For quick results, plant 9 inches apart. Height 6 to 9 in. Plants from 3-in. pots, \$2.75 per doz., \$20 per 100; 2-yr. field-plants, \$2.50 per doz., \$15 per 100, \$100 per 1000.

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★Dwarf plants for the Rock-garden and edging the Perennial Border

Peonies

They require a deep rich soil and should be planted so that the eyes are about 2 inches beneath the surface. To each root we recommend a 4-inch pot of bonemeal at planting-time, which should be well mixed in the soil about the roots. If planted in the fall, which is the best time, we also recommend a mulch of horse- or cow-manure the first winter. Our plants are all 2 or more years old. If planted in the spring, they will not throw much bloom the first season, but should be well established the following year. The varieties we offer are the choicest, and no finer plants are obtainable.

WHITE SHADES, DOUBLE.

Baroness Schroeder. Very large, tinted with delicate light pink; fragrant. \$1 each, \$11 per doz.

Festiva maxima. Large flowers with feathered petals and crimson flecks in the center. 75 cts. each, \$8 per doz.

Kelway's Glorious. Highly rated (9.8) by the American Peony Association. Very full gleaming flowers of enormous size; sweetly scented. \$3 each, \$33 per doz.

Le Cygne. The highest rating of any Peony (9.9). Creamy white. Very floriferous. \$2 each, \$22 per doz.

Solange. Broad, rounded petals suffused with a reddish gold light. A very strong grower, flowering in late midseason. \$1.50 each, \$16 per doz.

PINK SHADES, DOUBLE.

Katherine Havemeyer. Large, fully double flowers of apple-blossom-pink; sweetly fragrant. Very early. \$1.50 each, \$16 per doz.

Lady Alexandra Duff. Immense flowers, 4 to 6 on a stem. A beautiful flesh tint, with golden anthers. \$1.50 each, \$16 per doz.

Mme. Manchet. Full, cup-shaped flowers of rich pink with a silvery sheen. \$1 each, \$11 per doz.

Phyllis Kelway. A grand variety of good form and texture. Sparkling pink. \$1 each, \$11 per doz.

RED SHADES, DOUBLE.

Felix Crousse. Brilliant red flowers, large, compact, and globular. \$1 each, \$11 per doz.

Francois Rousseau. A fine variety with a dark silky sheen at the base. \$1 each, \$11 per doz.

Karl Rosenfield. Very fine rich blood-crimson flower. Strong grower. Very free flowering early in the season. \$1 each, \$11 per doz.

Mme. Gaudichau. Dark crimson flowers in late midseason. Very robust. \$1 each, \$11 per doz.

Philippe Rivoire. A dark crimson, early-flowering variety; very symmetrical and with a rich rose scent. \$2 each, \$22 per doz.

YELLOW SHADES, DOUBLE.

Primevere. A most attractive midseason variety with a sulphur-yellow center and creamy guard petals. \$2 each, \$22 per doz.

DOUBLE PEONIES TO COLOR. **White, Red, and Pink.** These are strong plants from good varieties. \$1.50 for 3, \$5.50 per doz., \$35 per 100.

Peonies, continued

SINGLE AND JAPANESE PEONIES.

These beautiful Peonies, while not so well known, are of great merit. In the center of the wide-open flowers, stamens are often turned to modified petals.

Cathedral. (Japanese.) Vivid dark rose, pink outer petals, with a center of long pale pink petaloids. \$1.50 each, \$16 per doz.

Constance. (Japanese.) A charming pink variety with bright yellow centers. \$1.50 each, \$16 per doz.

Fujo-no-mine. (Japanese.) Snow-white petals with a central cluster of yellow petaloids. \$1.50 each, \$16 per doz.

Hatsuegi. (Japanese.) Wide red petals with rose-pink petaloids. \$1.50 each, \$16 per doz.

Kino-kimo. (Japanese.) A striking carmine with vivid orange-pink petaloids. \$1.50 each, \$16 per doz.

Nymph. (Single.) Large flesh-colored petals with a central tuft of golden stamens. \$1 each, \$11 per doz.

Yeso. (Japanese.) A pure white variety with narrow white central petals shaded yellow. \$1.50 each, \$16 per doz.

PENTSTEMON digitalis. Beard-Tongue.

Spikes of white flowers with delicate mauve shadings, produced in great profusion in June and July. 4 to 5 ft. \$1 for 3, \$3.75 per doz.

Garnet. Large-flowered; garnet. Fine for cutting all summer. 18 in. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

PHLOX subulata. Moss Pink; Mountain Pink. ★ These well-known plants, with pretty moss-like evergreen foliage, are most suitable for clothing banks and for all situations in the rock-garden. All are May-flowering. 3 to 6 in.

Alba. Pure white.

G. F. Wilson. Mauve.

Lilacea. Lilac.

Rubra. Crimson.

Rosea. Rose-pink.

Vivid. Deep pink.

PHLOX decussata

Hardy Garden Phlox

Their large choice flower-heads are produced from July until September, are of brilliant coloring, and exquisitely perfumed.

Eight Best Varieties

Catherine. Lavender, flecked white. 24 in.

Dr. Klemm. Bright lavender, darker eye. 18 in.

Daily Sketch. Clear pink, darker eye. 20 in.

Eva Foerster. Salmon-pink, lighter eye. 15 in.

Emain Macha. Crimson-carmine. 18 in.

Flash. Cherry-carmine, darker eye. 25 in.

Harvest Fire. Fiery pink, darker eye. 30 in.

Marie Louise. The best pure white. 25 in.

Individual floret of each of the above 8 varieties larger than a half dollar.

Any of above new varieties, 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Phlox decussata, continued

Seven Good Standard Sorts

Blue Hill A lilac-blue, the nearest to light blue. 2 ft. Aug.

Border Gem. Distinct novelty. Large trusses; deep violet-blue. 2½ ft. Aug.

Commander-in-Chief. Splendid grower Port-wine-colored.

E. I. Farrington. Soft salmon-pink with lighter eye. An improved Elizabeth Campbell. 2½ ft. Aug.

Painted Lady. Novelty. Silver-pink with red eye.

Salmon Glow. Dwarf in habit. Trusses of lively pink flowers, shaded with salmon. 2½ ft. Aug.

Von Lassburg. Splendid white sort. 3 ft.

PHLOX suffruticosa, Miss Lingard. Flowers in June and continues on through summer. Large; white. 2½ ft.

PHLOX, Various.

Amœna. ★ A trailing variety, useful for carpeting. Rich bright pink flowers in April and May. 4 in.

Camlensis. ★ Delicate pink flowers in profusion. Upright growth. 6 in. May, June. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Divaricata Laphami. ★ Trusses of large, fragrant, lavender-blue blooms in May. One of the native wild flowers. 9 in.

Reptans (stolonifera). Pink flowers of the Divaricata type. Excellent for woodland planting. 6 in. June.

Schneewitchen. Very compact, smothered with dazzling white flowers in May. 2 in. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Stellata. ★ A rare and very choice alpine Phlox. Compact; smothered with white starry flowers in May. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

PHYSALIS Francheti. Chinese Lantern. A plant of easy culture in any location, which in the fall has pretty lantern-like fruits an inch or more in size. When cut and dried, these make an excellent winter decoration. 2 ft. Sept.

PHYSOSTEGIA. False Dragonhead. Border plants of easy culture anywhere.

Dwarf Vivid. A beautiful plant with spikes of rose-lilac flowers. Aug. to Oct. 18 in.

Virginiana. Long spikes of pale lavender flowers. 3½ ft. July.

PLATYCODON. Balloon Flower; Chinese Bellflower. ★ One of the finest hardy perennials, producing showy, cup-shaped flowers 2 inches or more in diameter during the whole summer and autumn.

Grandiflorum. Large steel-blue flowers. 1½ in.

Grandiflorum album. White with pale blue tinge. 2 to 2½ ft.

Japonica fl.-pl. Novelty. Large glossy deep blue flowers, double and star-shaped. 2½ ft. \$1 for 3, \$3.75 per doz.

PLUMBAGO Larpentæ. Leadwort. ★ A late-flowering dwarf perennial which makes a compact mound, smothered with sky-blue flowers in September and October. 6 to 9 in.

POLEMONIUM reptans, Royal Blue. Jacob's Ladder. ★ Pretty foliage of delicate texture, with airy spikes of bright blue flowers. 1 ft. June.

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★Dwarf plants for the Rock-garden and edging the Perennial Border

POPPIES

PAPAVER NUDICAULE. Iceland Poppies.

The flowers are produced on wiry stems and are paper-like in texture. They come in the richest colorings imaginable.

Alpinum. ★ Dainty little flowers of all shades arising from tufts of silvery gray foliage. 4 in. May.

Beauty of Belvedere. A new strain with very large flowers of beautiful pastel shades. Extremely vigorous. 2 ft. June. \$1 for 3, \$3.75 per doz.

Coonara Pink. ★ Many delicate shades of pink. 1 ft. June.

Tangerine. A fine deep orange. 2 ft. June.

The Emperor. Large glowing crimson flowers on long, wiry stems. 2 ft. June.

The Empress. A delicate shade of salmon-pink. 2 ft. June.

White. Snow-white. 2 ft. June.

Yellow Wonder. Giant variety with large yellow flowers; long stems. 3 ft. June.

PAPAVER ORIENTALE. Giant Oriental Poppies.

These handsome large-flowered Poppies have few rivals among hardy plants. Their striking foliage and glowing flowers make them most effective for grouping with other perennials where a vivid splash of color is required in June and July. We offer pot-grown plants which can be moved at any time; these are grown from cuttings, not seedlings.

Beauty of Livermore. Flowers of rich crimson-maroon, 9 inches in diameter. 3 to 3½ ft. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Cedar Hill. Novelty. The best pink we have ever seen. Flowers 4 to 6 inches in diameter. 3 ft. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

May Queen. Rich pink. Dwarf in habit. 2 ft. \$1 for 3, \$3.75 per doz.

Mrs. Perry. Orange-apricot-pink. Early flowering. 2 ft. \$1 for 3, \$3.75 per doz.

Perry's White. Immense flowers of a pure satiny white with a crimson-maroon blush at the base of the petals. 3 ft. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Wurtembergia. The immense flowers, 6 inches or more in diameter, are brilliant rose-red. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

PAPAVER ORIENTALE, Cerise Bed-

der. Rich sparkling cerise flowers 4 to 6 inches across with two rows of petals. Fine for cutting. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

PRIMULA • Primrose ★

For the rock and alpine garden, for the semi-shady garden, for brightening up woodland walks, dells, and, indeed, for any place where the plants will be cool at the roots.

PRIMULA ACAULIS.

Acaulis. True English Primrose. Pale lemon flowers borne solitarily on slender stems. 6 in. May. \$1.20 for 3, \$4.50 per doz.

Duplex. Hose-in-Hose Primrose. A very old-fashioned plant with pale yellow flowers of exceptional interest as one flower originates at the center of another. 6 in. May. \$1.50 for 3, \$5.50 per doz.

Pastel Shades. A wonderful mixture, containing purples, lavenders, creams, buffs, and pinks. 6 in. April. \$1 for 3, \$3.75 per doz.



Polyanthus



Physostegia

PRIMULA ELATIOR (POLYANTHUS).

The choice flowers are borne in clusters on stout stems. 6 to 9 in.

Alba. Huge white trusses of flowers in May. \$1 for 3, \$3.75 per doz.

Elatior, Yellow. A giant yellow Polyanthus with flower-stems the thickness of a pencil. The center of the flowers is tinged pink. \$1.20 for 3, \$4.50 per doz.

Elatior, Mixed. All colors and shades. \$1 for 3, \$3.75 per doz.

PRIMULA SUAVEOLENS. Cowslip.

Art Shades. This is the old-fashioned Cowslip from the flowers of which excellent wine is made. The colors vary from deepest yellow to a rich bronze. They are borne in trusses and are pendulous. 1½ ft. May. \$1 for 3, \$3.75 per doz.

PRIMULA SPECIES.

Auricula. A choice specimen of dwarf, compact habit, suited for the rock-garden. Leaves are large, leathery, and glossy. Flowers of most stunning colors, all with a contrasting eye, such as lavender with yellow center, red with buff center, etc. Mixed only. 6 in. June.

Beesiana. This is one of the Candelabra type, with whorls of purple flowers on 2-inch stems. 2 to 2½ ft. June, July.

Bulleyana. Another of the Candelabras, with orange whorls of flowers. 2 ft. June, July

Cortusoides. A beautiful variety with fresh green, scalloped leaves. The plants throw a profusion of slender spikes which bear heads of charming pink flowers from May until July. 9 in.

Above four varieties, \$1.20 for 3, \$4.50 per doz.

PERFECT GARDEN LABELS

are excellent for marking plants in your border. Six inches long, the 2 x 1-inch face takes pencil marks readily. \$2 for 25.



Rudbeckia, The King



Dianthus, New Blue. See page 91

Primula denticulata. Long lineal foliage and fine globular heads of lavender flowers make this one of the prettiest of Primulas. 1 ft. April, May.

Japonica, S. & W. Strain. Another Candalaria, very vigorous in growth. Handsome crinkly foliage and tall spikes of flowers in whorls. White, pink, copper-red and crimson, mixed. 2 ft. June, July.

Preceding two varieties, \$1.20 for 3, \$4.50 per doz.

Sieboldi. Beautiful rare species with fine scalloped leaves and heads of large flowers. 8 in. May. Mixed only, Rose and Pink. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Wanda. A mat-forming Primula with dark green foliage and a profusion of rich purple flowers with golden eyes, on 3-inch stems. 4 in. May. \$1 for 3, \$3.75 per doz.

PULMONARIA. Blue Cowslip. These showy spring-flowering plants are excellent for the front of borders, for rock-gardens, and for positions in the wild garden. Racemes of very pretty flowers in the spring. 12 to 15 in.

Maculata. Bright green foliage and brilliant sky-blue flowers.

Saccharata. A charming plant with pink flowers reminiscent of Mertensia.

Saccharata, Mrs. Moon. Very handsome green-and-white marbled foliage and lovely bright salmon-pink flowers, shot with blue.

PYRETHRUM. Painted Lady. Grand border plants of the Daisy family. They all flower in June and July. 2 to 2½ ft.

Double, Mixed. All shades of red, pink, and white.

Single, Mixed. Reds, whites, and pinks, all with yellow centers. Very vigorous.

ROSMARINUS officinalis. Rosemary. See Herbs, page 27.

RUDBECKIA. Coneflower. Bright border plants of easy culture in any garden soil.

Golden Glow. Rich double yellow flowers, good for cutting. 5 to 6 ft. Aug.

Hirta Hybrids. Large single flowers with a color-range from yellow through orange and brown to terra cotta. July-Sept.

Purpurea. A striking flower of purple color with a brown cone-shaped center. 3 to 4 ft. July-Oct.

The King. Deep crimson flowers. 3 ft. July-Oct. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

SALVIA. Meadow-Sage; Clary.

Azurea grandiflora. A fine plant of branching habit, smothered with gentian-blue flowers in late summer and autumn. 4 feet high; 2 to 3 ft. in diameter.

Farinacea. Spikes of powder-blue flowers. 2 to 2½ ft. July-Sept.

Farinacea alba. A white counterpart of the above. If both are planted together a charming combination is obtained.

SANTOLINA. Lavender Cotton; Ground Cypress. ★ Dwarf sub-shrubs which hold their leaves in winter. They are excellent for edgings or for the rock-garden, and can be clipped every year. The foliage is most attractive and very aromatic.

Incana. Very compact, with beautiful silvery gray foliage with the appearance of bunched coral. Yellow flowers in July. 6 to 9 in.

Viridis. A bright-green-foliaged variety. White flowers in July. 1 ft.

SAXIFRAGA. Rockfoil.

Ceratophylla. ★ A mossy Saxifrage of easy culture; compact habit, with sprays of white flowers. 6 in. June, July.

Cordifolia. A giant Saxifrage with huge green leaves. Pink flowers. July.

Encrusted, Mixed. ★ A beautiful selection of encrusted Saxifrages, all with rosettes of silvery leaves and spikes of white flowers in June. 6 to 9 in.

SCABIOSA. Scabious; Pincushion Flower. A fine perennial needing a rich soil which is slightly alkaline. Large flowers borne on long, wiry stems make it a fine subject for cutting.

Caucasica, Giant Hybrids, Mixed (Isaac House Strain). Delicate lilac and mauve predominate, but pure white and even dark blues often occur. 2 ft. July-Sept. \$1.20 for 3, \$4.50 per doz.

SEMPERVIVUM. Houseleek; Live Forever. ★ Evergreen succulents resembling Sedums. The leaves are often brightly colored at the base.

Arachnoideum. Cobweb Houseleek. A beautiful plant. The round masses of leaves are always covered with a white cobwebby substance, giving it a most unusual effect. 2 in.

Globiferum. Grass-green rosettes tinged with red. Yellow flowers in August. 3 to 4 in.

Mixed Seedlings. Shapes and sizes of every description. A choice selection. 3 to 4 in.

SEDUM • Stonecrop ★

This plant was the backbone of the early rock-gardens, and no rock-garden today is complete without some of the species mentioned here.

Acre. ★ Green foliage. Bright yellow flowers. 3 in. June.

Altissimum. ★ Yellow. 6 to 8 in. July, Aug.

Balticum. ★ 3 in. June.

Beyrichianum. ★ Compact green rosettes with pink centers. A good carpeter.

Dasyphyllum. ★ Rose. 3 in. June.

Lydium. ★ Pink. 2 in. June.

Middendorffianum. ★ Excellent matting variety, 4 inches high, with yellow flowers. Beautiful reddish purple foliage in autumn.

Nevi. ★ Blue-gray rosettes. 4 in. July.

Sieboldi. ★ Rose-pink. 9 in. Aug.

SILENE. Catchfly; Campion.

Schafta. ★ One of the best autumn-flowering rock-plants. It blooms in October when flowers are scarce in the rockery. A compact plant with bright rose-pink flowers. 6 in.

SPIRÆA. Goat's Beard; Meadowsweet. Suitable for borders, damp situations, and water plantings. June.

Filipendula alba. Finely cut foliage. Creamy white flowers. 2 ft.

Davidi. A vigorous variety, growing 3 feet high, with delicate pale pink flowers in July and August.

Palmata elegans. A light pink. 3 ft.

Ulmaria fl.-pl. Well-known double Meadowsweet, with a profusion of creamy white flowers. 3 ft.

STATICE. Sea-Lavender. Of easy culture, these unusual border plants have little foliage but throw tremendous sprays of flowers after the style of *Gypsophila paniculata*.

Latifolia. Large basal leaves and clouds of pale blue flowers in August. 2 ft.

Latifolia dumosa. Bluish lavender flowers in great profusion, which, when dried, become silvery. 1½ ft. Aug. \$1 for 3, \$3.75 per doz.

STOKESIA lilacea grandiflora. Stokes'

Aster. A marvelous plant with a compact growth of basal leaves, from which arise the flowers on stems 18 to 20 inches long. These are often 5 inches across, and are of a silvery blue color with a lilac suffusion at the center. \$1 for 3, \$3.75 per doz.

SWEET WILLIAM

These brilliantly colored old-fashioned garden plants are as indispensable today as they were 100 years ago. Each plant will give a wealth of bloom in June.

Auricula-eyed. These are chiefly reds and pinks, but all have a pronounced white eye. 1½ ft.

Pink Beauty. A sparkling crushed strawberry-pink.

Scarlet Beauty. A vivid scarlet. Very choice and effective. 1½ ft.

Above Sweet Williams, 75 cts. for 3, \$2.75 per doz.

TEUCRIUM Chamædrys. Germander. ★

A dwarf sub-shrub with glossy green foliage and bright rose flowers, adaptable for edging borders and paths. 1 ft. Aug.

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★Dwarf plants for the Rock-garden and edging the Perennial Border

EQUIP your GARDEN with Japanese Beetle Traps.

Each will capture more than a quart a day during the season of infestation. Price, with bait, \$1.50

THALICTRUM. *Meadow-Rue.* Extremely graceful foliage not unlike a maidenhair fern, and dainty flowers in profusion.

Adiantifolium. White flowers freely produced in June. 18 in. to 2 ft.

Aquilegifolium. As its name implies, it has foliage like a columbine, with rich purple-mauve flowers. 3 ft. June.

Glaucum. This we recommend especially, as it has blue-green foliage, finely divided, and heads of sulphur-yellow, fluffy flowers. 4 ft. July.

Minus. ★ Dwarf variety with white flowers and miniature foliage. Very suitable for the rock-garden. 6 to 9 in. July.

THERMOPSIS caroliniana. A plant that has been grown for the last 130 years, and yet is not too well known today. It grows 5 feet high, with large, yellow, pea-shaped flowers in July.

THYMUS. *Thyme.* ★ These charming, fragrant plants are mostly of dwarf, spreading habit and are unexcelled for dry, sunny banks where grass is difficult to establish, and for various positions in the rock-garden. When planted at the crevices of walks, they give off a fragrant aroma when walked on, and are a sheet of blossoms in June and July.

Azoricus. Deep green mat with rosy flowers. 3 in. June.

Citriodorus argenteus. A taller-growing variety with handsome silver-edged leaves and pink flowers. 6 to 9 in. June.

Herba-barona. An excellent rock-plant of trailing habit with lilac flowers. 2 ft. June.

Lanuginosus. Mauve flowers and gray, woolly leaves. 2 in. June.

Nitidus. Shrubby species with gray-green foliage and soft silvery mauve flowers. 9 in. June.

Serpyllum. The wild Mountain Thyme of creeping habit, with rosy purple flowers. 2 in. June.

Serpyllum album. Decidedly miniature foliage of light bright green with pure white flowers. 1 in. June.

Serpyllum coccineus. Very dark reddish green foliage, making a perfect mat like the above, but with brilliant crimson flowers. 1 to 2 in. June.

TRITOMA

Torch Lily; Flame Flower; Red Hot-Poker

Very vigorous perennials of easy culture in any garden soil, in full sun. They have strong grass-like foliage from which arise spikes of flowers from July to September.

Pfitzeri. Everblooming Tritoma. Bright orange-scarlet flowers with salmon-rose edges. Fine for cutting. 3 ft. \$1 for 3, \$3.75 per doz.

S. & W. Hybrids. A grand mixture of yellows, flame-reds, burnt-orange, etc. 90 cts. for 3, \$3.25 per doz.

TROLLIUS, Eleanor. This fine yellow globe-flower blooms all summer. 18 in. 55 cts. each, \$1.50 for 3, \$5.50 per doz.



Trollius, Eleanor

VERBENA. *Vervain.* Variable plants, as the descriptions will show. We recommend winter protection for them.

Bonariensis. Lavender-rose sprays on long, wiry stems. June to October. 4 to 5 ft. \$1 for 3, \$3.75 per doz.

Canadensis. ★ A creeping plant with cut foliage and lavender flowers all summer. 6 to 9 in. \$1 for 3, \$3.75 per doz.

Chamædryfolia. ★ Of trailing and spreading growth continually producing scarlet flowers. 3 in. May to Oct.

Maonetti. ★ Pink and white striped flowers on a trailing plant. Blooms all summer. 6 in. \$1 for 3, \$3.75 per doz.

VERONICA • Speedwell

Charming plants, natives of Europe and America. Free flowering, and they can be used in the rock-garden and border.

Blue Jay. Flowers in August and September. Bright blue sprays. 2 to 3½ ft.

Filiformis. ★ Trailing plant with graceful foliage. Covered in spring with pale blue, white-lipped flowers. 2 in. May, June.

Gentianoides. ★ Gentian-like leaves and spikes of pale blue flowers edged with a deeper blue. 6 in. June.

Incana nana. ★ A compact plant with beautiful silvery foliage and spikes of brilliant blue flowers. 6 to 9 in. July, Aug.

Incana rosea. Similar, with pink flowers.

Longifolia subsessilis. Very heavy long spikes of deepest blue. Perfect border plant. 2 to 3 ft. July.

Peduncularis. ★ It has the appearance of a heuchera, and from June until the end of July produces its pearly white flowers in light airy sprays. \$1.20 for 3, \$4.50 per doz.

Repens. ★ A carpeting plant with light blue almost stemless flowers. 1 in. May, June.

Spicata. Useful border plant with spikes of blue flowers from July to September. 2 ft.

True Blue. Smothered with blossoms of intense blue. 9 to 12 in. June, July.

VINCA. *Periwinkle; Old Maid; Myrtle.* Grand ground-covers for shade.

Alpina. A beautiful plant with large purple flowers produced all summer and fall.

Minor. Delicate blue flowers with glossy green foliage.

Minor alba. White flowers show up well against the dark glossy foliage.

Minor, Bowles Variety. A greatly improved form. Always in bloom, the flowers being very large and clear blue.



Verbena bonariensis

VIOLA cornuta

Tufted Pansies ★

The flowers of the Viola are like those of pansies but smaller. Unlike pansies, however, they are perennial and very sweetly scented. All can be used in rock-gardens, borders, and paths. 6 to 9 in. May until fall.

Arkwright's Ruby. A rich velvety mahogany-red with dark maroon blotches.

Avalanche. Large white flowers in great profusion.

Blue Butterfly. Sky-blue shading to white.

Chantreyland. New variety with large deep apricot flowers.

Jersey Gem. A well-known variety with rich violet flowers in great profusion.

Royal Purple. Another splendid variety, very floriferous, and of rich purple color.

W. H. Woodgate. Fine large Cambridge blue flowers.

Yellow Queen. A splendid deep yellow. Very free flowering.

VIOLA odorata

Sweet Violet

The Violets listed below are among the best and most distinct. All are splendid for cutting. The double Violets should be afforded some protection in winter.

Frey's Fragrant. A single Violet with flowers ½ to ¾ inch in diameter, on 6 to 9-inch stems. Rich deep purple. Very prolific in April, and flowering again in the fall.

Marie Louise. Very large; double; lavender. Spring flowering. \$1.20 for 3, \$4.50 per doz.

Rosina. Single, very fragrant flowers of dark rose-pink. \$1.20 for 3, \$4.50 per doz.

Russian Single. Produces great masses of fine large deep purple flowers.

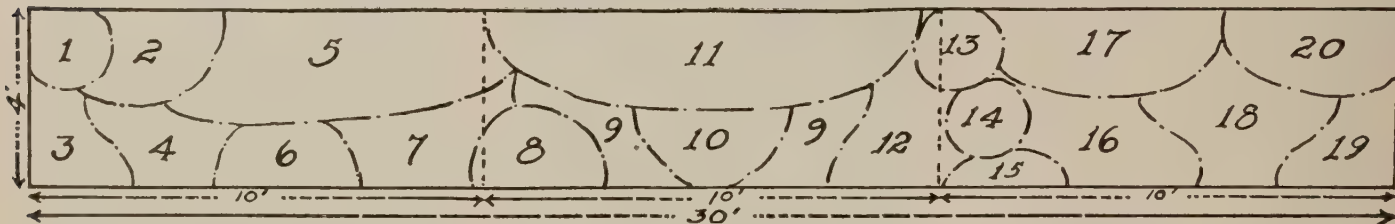
Snow Queen. Own introduction. Dozens of large white Violets on long stems. Spring flowering. \$1.20 for 3, \$4.50 per doz.

YUCCA filamentosa. *Adam's Needle.* Spiked evergreen foliage with creamy white flowers on 6-foot stems. Requires full sun and a calcareous soil. A fine plant for tubs and terraces and for planting in positions where boldness is required. 1-yr. plants, \$1 for 3, \$3.75 per doz.; 2-yr. plants, \$1.35 for 3, \$5 per doz.; 3-yr. plants, \$2 for 3, \$7 per doz.

PRICES, unless otherwise noted, 90 cts. for 3, \$3.25 per doz. Purchaser pays transportation beyond 50 miles of New York

★ Dwarf plants for the Rock-garden and edging the Perennial Border

YOU CAN FILL THIS 30 BY 4-FOOT PERENNIAL BORDER WITH ONE OF THESE PLANT COLLECTIONS



A Cutting Garden

Key

- 1 Aster, Skylands Queen.....1
- 3 Iris, Bluet.....2
- 3 Lavandula vera compacta.....3
- 3 Gaillardia, Mr. Sherbrook.....4
- 3 Hemerocallis, Mrs. Wyman.....5
- 3 Anemone, September Charm.....6
- 3 Chrysanthemum, Igloo.....7
- 3 Stokesia lilacina.....8
- 6 Dianthus, Beatrix.....9
- 3 Coreopsis, Perry's Variety.....10
- 6 Delphinium, Hollyhock Strain.....11
- 3 Verbena bonariensis.....12
- 1 Artemisia, Silver King.....13
- 3 Heliothis incomparabilis.....14
- 3 Scabiosa, Isaac House Strain.....15
- 3 Doronicum excelsum.....16
- 3 Tritoma, S. & W. Co.'s Hybrids.....17
- 3 Campanula persicifolia.....18
- 3 Chrysanthemum maximum, White Swan.....19
- 1 Helianthus, Soleil d'Or.....20

60 Plants COLLECTION 118A: \$19.50
Catalogue value, \$22.45

A Fragrant Garden

Key

- 1 Monarda salmonea.....1
- 3 Iris, Grace Sturtevant.....2
- 3 Santolina incana.....3
- 3 Arabis, Snowcap.....4
- 3 Hemerocallis, Dr. Regel.....5
- 6 Carnation, Hardy Border.....6
- 6 Phlox divaricata.....7
- 3 Thymus nitidus.....8
- 6 Dianthus plumarius.....9
- 3 Artemisia, Silver King.....10
- 3 Phlox, Salmon Glow.....11
- 1 Artemisia lactiflora.....12
- 3 Lavandula vera.....13
- 3 Enothera speciosa.....14
- 3 Viola, Rosina.....15
- 3 Nepeta Mussini.....16
- 3 Iris, Mrs. Valerie West.....17
- 3 Funkia subcordata.....18
- 3 Sweet William, Auricula-eyed.....19
- 3 Salvia officinalis.....20

65 Plants COLLECTION 118B: \$19.50
Catalogue value, \$21.00

For Full Sun

Key

- 3 Aster, Red Rover.....1
- 3 Iris, Bluet.....2
- 3 Veronica spicata.....3
- 3 Gypsophila repens.....4
- 3 Phlox, Salmon Glow.....5
- 3 Aquilegia, Yellow.....6
- 3 Dianthus, Beatrix.....7
- 3 Lychnis Viscaria.....8
- 3 Aster Frikarti.....9
- 2 Heliothis incomparabilis.....10
- 6 Delphinium, Hollyhock Strain.....11
- 3 Aquilegia, Scarlet.....12
- 3 Rudbeckia purpurea.....13
- 3 Coreopsis, Perry's Variety.....14
- 3 Geum, Princess Juliana.....15
- 3 Delphinium, Belladonna.....16
- 3 Tritoma, S. & W. Co.'s Hybrids.....17
- 3 Chrysanthemum, White Swan.....18
- 3 Armeria, Farmingdale Giants.....19
- 3 Chrysanthemum, Korean.....20

62 Plants COLLECTION 118C: \$19.50
Catalogue value, \$22.90

For Partial Shade

Key

- 1 Aster, Mulberry.....1
- 3 Iris, Indian Chief.....2
- 1 Funkia subcordata.....3
- 3 Phlox, Harvest Fire.....4
- 6 Liatris scariosa alba.....5
- 6 Primula cortusoides.....6
- 3 Plumbago Larpentæ.....7
- 3 Anemone, September Charm.....8
- 6 Gentiana acaulis Clusi.....9
- 2 Dicentra eximia.....10
- 6 Digitalis, Giant Shirley.....11
- 3 Aster, Alderman Vokes.....12
- 1 Dicentra spectabilis.....13
- 1 Coreopsis, Perry's Variety.....14
- 3 Primula japonica.....15
- 3 Aster, Goliath.....16
- 3 Hemerocallis Goldeni.....17
- 5 Iris, Alta California.....18
- 3 Nepeta Mussini.....19
- 3 Veronica, True Blue.....20

65 Plants COLLECTION 118F: \$19.50
Catalogue value, \$24.10

A Pink and Red Garden

Key

- 3 Aster, Red Rover.....1
- 3 Iris, Globin Red.....2
- 3 Helianthemum, Scarlet.....3
- 3 Armeria, Farmingdale Giants.....4
- 6 Phlox, Salmon Glow.....5
- 3 Anemone, September Charm.....6
- 3 Veronica incana rosea.....7
- 3 Chrysanthemum (Azaleamum), Amelia.....8
- 3 Heuchera, Bloom's Variety.....9
- 3 Monarda salmonea.....10
- 6 Hollyhock, Rose.....11
- 3 Pyrethrum, Double, Mixed.....12
- 3 Aquilegia, Scarlet.....13
- 2 Papaver, Beauty of Livermore.....14
- 3 Dicentra eximia.....15
- 3 Lychnis Viscaria fl.-pl.....16
- 3 Phlox, Salmon Glow.....17
- 3 Chelone barbata Torreyi.....18
- 3 Sweet William, Scarlet Beauty.....19
- 3 Chrysanthemum, Kristina.....20

65 Plants COLLECTION 118H: \$19.50
Catalogue value, \$21.25

A Blue and Lavender Garden

Key

- 1 Anchusa italica, Dropmore.....1
- 2 Aster, Royal Blue.....2
- 3 Campanula garganica.....3
- 3 Platycodon grandiflorum.....4
- 6 Iris, Grisette.....5
- 3 Veronica incana nana.....6
- 3 Plumbago Larpentæ.....7
- 3 Stokesia lilacina.....8
- 6 Viola, Jersey Gem.....9
- 3 Scabiosa, Isaac House Strain.....10
- 6 Delphinium, Hollyhock Strain.....11
- 3 Aquilegia alpina.....12
- 1 Iris, Japanese, Violet Giant.....13
- 1 Iris, Japanese, Azure.....14
- 3 Phlox Laphami.....15
- 3 Linum perenne.....16
- 3 Aconitum Fischeri.....17
- 3 Phlox, Border Gem.....18
- 3 Aster alpinus, Goliath.....19
- 3 Veronica, Blue Jay.....20

62 Plants COLLECTION 118J: \$19.50
Catalogue value, \$21.65

Any two Collections, \$35; any three Collections, \$50



For Perennial Flower Arrangements

- 3 Hemerocallis, Lemona.....1
- 3 Tritoma Hybrids.....2
- 3 Chrysanthemum, Conqueror.....3
- 3 Achillea filipendula.....4
- 3 Phlox, Salmon Glow.....5
- 3 Veronica, Blue Jay.....6

18
Collection 118K
Catalogue Value \$6.80 \$5.50

- 3 Hemerocallis, Dover.....1
- 3 Achillea filipendula.....2
- 3 Gaillardia Hybrids.....3
- 3 Hemerocallis, D. D. Wyman.....4

12
Collection 118L
Catalogue Value \$4.55 \$3.75



Have You Read the **BOOK**, "Water Gardens and Goldfish," by Sawyer and Perkins? We mail it post free for \$2.

WATER-LILIES and POND PLANTS

Hardy Water-Lilies (Nymphaeas) (June 1 shipment)

For ponds, lakes, or in still pools along a river or stream, provided they are not planted in too deep water or near a cold inlet. Once established so that the crowns will not be injured by freezing, they become a source of permanent beauty. They may also be grown in tubs.

- Attraction.** Immense flowers, produced freely, and bright red in color. \$2.50 each.
Aurora. Flowers open amber-yellow, changing to orange-red on the second day and to deep red on the third. \$1.25 each.
Comanche. Large flowers of deep rich apricot with glowing red markings deepening to copper-orange. \$2 each.
Conqueror. Immense flower, with bright red petals, shaded white on the inside, changing to deep red as the flower ages. \$2.25 each.
Gladstone. Large, pure white, globular flowers. \$1.50 each.
Gloriosa. Beautiful clear red, deepening to dark red. \$2.25 each.
Helen Fowler. Deep pink flowers. Suitable for growing in a tub. \$1.25 each.
Marliac Rose. Fragrant, cup-shaped flowers, deep rose in color. \$1.75 each.
Marliac White. Waxy white flowers, with bright yellow stamens. \$1 each.
Marliac Yellow. Bright chrome-yellow flowers. \$1.25 each.
Pink Opal. Full-petaled, cup-shaped flowers of a deep rich pink. \$1 each.
Rose Arey. Large, pink, fragrant, with long-pointed petals. \$2 each.

Tropical Water-Lilies (June 1 shipment)

These are of two distinct types: the Daybloomers, whose flowers open with the sun and close at evening, and the Nightbloomers, whose flowers open in the afternoon and remain open until late the following morning. On cloudy days the latter sometimes remain open throughout the twenty-four hours. All are most beautiful.

We ship only mature potted plants, many already in flower, which will produce a wealth of bloom in a surprisingly short space of time after setting out.

Day-Blooming Sorts

- Cærulea.** The original blue Lotus of the Nile. Fragrant. \$1.25 each.
Colonel Lindbergh. Enormous deep sky-blue flowers. \$2.25 each.
Dauben. Very fragrant light blue flowers. Recommended for tub-gardening. \$1.25 each.
General Pershing. Broad, chalice-shaped flowers of a clear pink. \$2.25 each.
Zanzibariensis (African Purple Lily). Fragrant flowers 6 to 8 inches across. \$1.50 each.
Zanzibariensis rosea. Good-sized, bell-shaped flowers of beautiful rose-pink. \$1.25 each.

Night-Blooming Sorts

- Devonshire.** Rosy red, 8- to 10-inch flowers. Bronze leaves. \$1.25 each.
Juno. The largest flower in the Night-blooming section. Broad, snow-white petals around a center of yellow stamens. \$2 each.
Omara. Produces large flowers of a deep rose color. \$1.50 each.

Lotus

Tubers are available from May 1 to June 1, after which date we offer them growing in pots at the prices shown below, plus \$1.50. Do not break the growing tip.

Soil should be rich, and covered with 6 to 10 inches of water. Set the tubers at an angle, so that the tip is barely covered, and firm the soil about the tuber.

- American Lotus** (*Nelumbium lutea*). Native variety having large, cream-yellow flowers with a delightful fragrance. Tubers, \$2 each.
Sacred or Egyptian Lotus (*N. nucifera*). A hardy, vigorous, fragrant type having rose-tipped petals, shading to cream at the base. Tubers, \$2 each.
Shiroman Lotus (*N. nucifera albo-pleno*). Large, globular flowers, double or with many petals of pure white. Blue-green foliage. Tubers, \$2 each.
Chinese Lotus (*N. pekinensis*). Double flowers of a rich rose-red. Tubers, \$2 each.

Add \$1.50 to the above prices for potted plants after June 1

Bog and Marsh Plants

- Purple Water Hyacinth** (*Eichbornia azurea*). 75 cts. for 3, \$2.75 per doz.
Sweet Flag (*Acorus calamus variegata*). Variegated leaves. 75 cts. for 3, \$2.75 per doz.
Water Poppy (*Hydrocleis nymphoides*). 35 cts. for 3, \$1 per doz.
Spiral Palm. Plants from 3-inch pots. \$1 for 3, \$3.75 per doz.
Ginger or Butterfly Lily (*Hedychium coronarium*). \$1 for 3, \$3.75 per doz.
Yellow Flag (*Iris pseudacorus*). 75 cts. for 3, \$2.75 per doz.
Marsh Iris (*Iris versicolor*). 75 cts. for 3, \$2.75 per doz.
Japanese or Water Taro (*Colocasia antiquorum illustris*). \$1.50 for 3, \$5 per doz.
Japanese or Water Taro (*Colocasia multiflora*). 75 cts. each, \$8 per doz.
Egyptian Paper Plant (*Cyperus papyrus*). \$1 for 3, \$3.75 per doz.
Umbrella Palm (*Cyperus alternifolius*). \$1 for 3, \$3.75 per doz.



Shallow-Water Plants

- Arrow-head** (*Sagittaria latifolia*). Well-known native plant. 75 cts. for 3, \$2.75 per doz.
Cattail (*Typha latifolia*). \$1.25 per doz.
Floating Heart (*Nymphoides peltatum*). 35 cts. for 3, \$1 per doz.
Marsh Marigold (*Caliba palustris*). 75 cts. for 3, \$2.75 per doz.
Parrot Feather (*Myriophyllum proserpinacoides*). 35 cts. for 3, \$1 per doz.
Pickereel Rush (*Pontederia cordata*). 75 cts. for 3, \$2.75 per doz.

Floating Plants

- Azolla** (*Azolla caroliniana*). 35 cts. per portion.
Water Fern (*Ceratopteris thalictroides*). 50 cts. per portion.
Duck Weed (*Lemna minor*). A good fish food. 25 cts. per portion.
Salvinia (*Salvinia braziliensis*). 25 cts. per portion.
Water Lettuce or Shell Flower (*Pistia stratiotes*). 50 cts. for 3, \$1.75 per doz.
Water Hyacinth (*Eichbornia crassipes major*). 75 cts. for 3, \$2.75 per doz.

Submerged Plants (Oxygenating)

- Sagittaria guayanensis.** \$1.50 for 3, \$5.50 per doz.
Sagittaria sinensis. 35 cts. for 3, \$1 per doz.
Vallisneria. 60 cts. per doz.
Herpestis. 50 cts. for 3, \$1.75 per doz. bunches.
Anacharis, Cabomba (Fanwort; Fish-Grass),
Milfoil (*Myriophyllum*), **Ludwigia.**
 Above 4, per bunch 35 cts., doz. bunches \$3.50

UNDERWATER PAINT for pools and swimming tanks. Robin's-egg blue. Qt. \$1.75, gal. \$5.

COLLECTIONS OF WATER PLANTS

SUBURBAN POOL COLLECTION A. \$8.

Suitable for a pool about 30 square feet in area. One each: Water-Lily, *Gloriosa* (red), *Cærulea* (blue), and Pink Opal. Also the following aquatic plants:

- | | |
|--|--------------------|
| 5 plants for a centerpiece or background | 3 floating plants |
| 12 plants for corners or margins | 3 submerged plants |

JUNIOR POOL COLLECTION B. \$1.50.

To start your pool: 1 Pink Opal Water-Lily and 6 aquatic plants, including floating, submerged, and shallow-water or bog plants.

COMPLETE TUB GARDEN C. \$6.

Consists of one Cedar Tub, 2 feet in diameter and 1 foot deep, also:
 1 Water-Lily, *Gloriosa* (beautiful red).
 6 Assorted floating, submerged, and shallow-water or bog plants.



S. & W. CO.'S GUARANTEED ROSES

Our Roses are re-selected from selected No. 1 grade plants and are the best obtainable. Each will have three or more branches, according to the characteristics of the variety. They are dug in late autumn, the roots being wrapped in damp moss and burlap, and stored over winter. Proper storage is essential for the well-being of living merchandise—the facilities which we have, with modern methods for controlling temperature and humidity, are ideal. These healthier plants will show superior quality when growing in your garden. Planted in spring, practically all types will bloom this year; the exceptions are a few Climbers, which may not flower until 1943.

WE GUARANTEE our Roses to reach you in good condition and to live; we will replace without charge any that may not be alive two months after you purchase them.

Outstanding Popular Everblooming Roses, Hybrid Tea-Scented (Will bloom this summer)

***Apricot Queen.** Patent No. 464. A strong-growing variety with shiny, leathery foliage. The long-pointed bud opens to a fragrant flower of perfect shape, with petals of orange and apricot at the base, merging to salmony rose and phlox-pink. A lovely combination. 45 petals. \$1.50 each, \$15 per doz.

***Autumn.** Straight brownish orange buds open to very double blooms of burnt-orange streaked with red and taking on pinkish tints as the flowers develop. Moderately fragrant, and the plants are healthy. 70 petals. \$1 each, \$10 per doz.

***Caledonia.** Large high-centered bloom of snowy white. A fine cut-flower and prize-winner at the shows. Fragrant. 25 petals. \$1 each, \$10 per doz.

****California.** Patent No. 443. A vigorous plant with glossy foliage, blooming with unusual freedom. Bud is long and pointed, and opens to an enormous flower, 5 to 6 inches across. Ruddy orange, toned with saffron-yellow; exterior of the petals is overlaid with rose. A dual-tone effect of much richness. Rich fruit fragrance. 30 petals. \$1.50 each, \$15 per doz.

***Charlotte Armstrong.** Patent 455. A large splendidly formed flower of spectrum-red on strong branching plant. Fragrant. 35 petals. \$1.50 each, \$15 per doz.

****Christopher Stone.** A large loose flower of rich crimson-scarlet. Delicious Damask fragrance. Blooms continuously on a splendid, healthy plant. 30 petals. \$1 each, \$10 per doz.

****Crimson Glory.** Patent 105. Urn-shaped buds open to splendidly formed velvety crimson flowers with scarlet tones in summer and blackish shades in fall. The blooms are deliciously fragrant. Healthy plants of moderate growth. 25 to 30 petals. \$1 each, \$10 per doz.

***Dame Edith Helen.** Pointed, fat buds open to perfect exhibition flowers of clear pink, sweetly scented. The plants are of medium height, have healthy foliage, but resist hard pruning. 70 petals. \$1 each, \$10 per doz.

***Edel.** Splendid globular buds, opening to huge, extremely double, snow-white flowers, slightly fragrant and exquisitely formed. The plants are strong, tall, free in blooming habit, satisfactory for bedding. 90 petals. \$1 each, \$10 per doz.

***E. G. Hill.** A dependable, fragrant, crimson-red Rose borne singly on long stems. Upright, free-blooming plants. \$1 each, \$10 per doz.

***Glowing Sunset.** Patent 104. Long-pointed buds open to cactus-shaped blooms with twisted petals. The color is a blend of orange, yellow, and rose-pink. Fragrant. The plant is of average growth and is healthy. \$1 each, \$10 per doz.

****Golden Dawn.** A low-growing, spreading plant with profuse, disease-resistant, and very attractive foliage. Fat buds open to large, double blooms of lemon or straw-yellow, with rich tea fragrance. 45 petals. \$1 each, \$10 per doz.

****Heart's Desire.** Patent applied for. Long bright red buds open to graceful blooms of velvety red. Wonderful fragrance. Strong bushy plants bloom generously. 25 petals. \$1.50 each, \$15 per doz.

***Heinrich Wendland.** Fragrant double flowers of nasturtium-red, reverse yellow. A spectacular Rose which attracts attention. 100 petals. \$1 each, \$10 per doz.

***Kaiserin Auguste Viktoria.** Perfectly formed white buds open slowly to high-centered, fragrant blooms of snow-white. Upright, healthy plants. 100 petals. \$1 each, \$10 per doz.

***Mme. Henri Guillot.** Patent 337. Urn-shaped buds open to watermelon-pink flowers of attractive form. Bushy plants with good foliage. 25 petals. \$1.25 each, \$12.50 per doz.

****Mrs. Oliver Ames.** Patent pending. The flower is a rich self color—medium yellow. It is of good substance, averaging 60 petals. Outstanding features are its exceptional fragrance and the strong-growing, healthy plant. \$1 each, \$10 per doz.

***Orange Nassau.** Patent 350. A splendid deep orange Rose with large blooms of fine shape, averaging rather more than 50 petals. A Rose of startling color. \$1 each, \$10 per doz.

****Pink Diamond.** Patent applied for. Slender pink buds open to a spiral bloom of dainty shell-pink. Upright free-blooming plants. 35 to 40, petals. \$1.50 each, \$15 per doz.

***President Macia.** The very long pink bud, which is heavily veined with darker pink, opens to a mammoth 6-inch flower. Petals are flesh-color, with a yellow tinge toward the base. Valuable both in the bud and the open bloom. Fragrant. One of the most beautiful of all Roses. 25 petals. \$1.25 each, \$12.50 per doz.

***R. M. S. Queen Mary.** Patent 249. Long-pointed, colorful buds turning to nicely formed flowers in a blend of vivid shades of salmon, pink, and orange. Pleasing fragrance. Bushy plants with healthy foliage bloom freely. 40 petals. \$1 each, \$10 per doz.

****Radiance.** The world's favorite pink Rose has cupped blooms of two-toned pink, chock full of the rich fragrance of old-time Roses. The plants are tall, bloom freely, and are disease-free; a strong, vigorous grower. 23 petals. \$1 each, \$10 per doz.

****Red Radiance.** A red counterpart of Radiance, with the same splendid growth and quantity of large, richly fragrant blooms. Color is cerise-red. Blooms freely. 23 petals. \$1 each, \$10 per doz.

***Santa Anita.** Patent applied for. High-centered blooms of deep pink are produced all summer when most Roses are resting. 20 petals. \$1.50 each, \$15 per doz.

To Help You Choose

Everyone enjoys the *scent of Roses*, and all our everblooming varieties are fragrant; sorts marked * have a pronounced perfume, and those marked ** even more so.

The *number of petals* indicates the *double-ness* of a Rose: one with 17 is a semi-double bloom; one with 100 petals is heavy and tight, like the old-time cabbage Rose.

We offer all of the above Roses in 6-inch POTTED PLANTS for delivery after May 1. See page 108 for prices



PINK DIAMOND
Patent applied for
 \$1.50 each, \$15 per doz.

MRS. OLIVER AMES
Patent Pending

\$1 each
 \$10 per doz.



5 Enticing
NOVELTY
EVERBLOOMING
ROSES



PROVED VARIETIES

Free Flowering and Disease-Resistant. Strong
 Super Field-Grown Dormant Plants

COLLECTION No. 105

FIVE NOVELTY ROSES. ONE PLANT
EACH OF 5 VARIETIES \$5.50

CHARLOTTE ARMSTRONG

← *Plant Patent 455,*
 \$1.50 each, \$15 per doz.



PRESIDENT MACIA
 \$1.25 each, \$12.50 per doz.



© C. & P. CO.

MME. HENRI GUILLOT

Plant Patent 337

\$1.25 each, \$12.50 per doz.



SANTA ANITA
Patent applied for
 \$1.50 each, \$15 per doz.



APRICOT QUEEN
Plant Pat. 464
 \$1.50 each, \$15 per doz.



*Tested Varieties for Bloom
 and Resistance to Disease*

**STRONG, SUPER FIELD-GROWN
 DORMANT PLANTS**

COLLECTION No. 106

FIVE NOVELTY ROSES. One \$6
 plant each of 5 varieties . . .

**5 Beautiful
 NOVELTY
 ROSES**



ORANGE NASSAU
Plant Pat. 350
 \$1 each, \$10 per doz.



HEART'S DESIRE. *Patent applied for.* \$1.50 each, \$15 per doz.

CALIFORNIA \$1.50 each
Plant Pat. 443 \$15 per doz.

FEED ROSES with SAWCO Rose Food. Mix a trowelful with the soil under each bush at planting-time. Dust some on the soil and rake under, spring and fall. 100 lbs. \$6

TWENTY FINE EVERBLOOMING ROSES

At prices which justify extensive planting. Specially selected for quantity and quality of bloom and resistance to disease. All will bloom this summer. All are guaranteed to live.

ANY of the following 20 varieties, extra strong dormant plants 90 cts. each, \$2.50 for 3, \$9.00 per doz., \$65.00 per 100

Special Collection B: All these sorts, 20 plants, one **\$14.50** each of 20 varieties

To Help You Choose

Everyone enjoys the *scent of Roses*, and all our everblooming varieties are fragrant; sorts marked * have a pronounced perfume, and those marked **even more so.

The number of petals indicates the double-ness of a Rose; one with 17 is a semi-double bloom; one with 100 petals is heavy and tight.

***BETTY UPRICHARD.** *Fragrant.* Salmon-pink with coppery carmine on reverse of petals. 17 petals.

***EDITH NELLIE PERKINS.** *Mildly fragrant.* Soft salmon-pink, coppery rose reverse. 40 petals.

****ETOILE DE HOLLANDE.** *Intensely fragrant.* Rich crimson. The world's favorite red Rose. 35 petals.

****GLOWING CARMINE.** *Mild scent.* Rich carmine. 50 petals.

***GOLDEN RAPTURE.** *Old Rose fragrance.* Pure yellow; buds long and pointed. 35 petals.

***GRENOBLE.** *Slightly fragrant.* Brilliant scarlet-crimson. 45 petals.

***HINRICH GAEDE.** *Rich raspberry fragrance.* Flaming orange with scarlet sheen. 50 petals.

***JOANNA HILL.** *Moderately fragrant.* Orange in center, cream at edges. 40 petals.

***McGREDY'S SCARLET.** *Faint tea scent.* Uniform red. 35 petals.

****MISS ROWENA THOM.** *Deliciously fragrant.* Immense; rose-pink. 30 petals.

***MME. JOSEPH PERRAUD.** *Fragrant.* Buff with pink edges. 35 petals.

***MME. JULES BOUCHE.** *Moderately fragrant.* White, with slight pinkish tinge at center. 35 petals.

***MRS. E. P. THOM.** *Mild scent.* Fine yellow blooms. 40 petals.

***MRS. SAM McGREDY.** *Fragrant.* Scarlet-orange, changing to coppery as the blooms mature. 40 petals.

***MRS. PIERRE S. DU PONT.** *Rich spicy fragrance.* Deep yellow. 40 petals.

***PINK DAWN.** *Sweetly fragrant.* Pink, tinted orange at base. 100 petals.

***POINSETTIA.** *Rich tea fragrance.* Scarlet-red. Splendid form. 35 petals.

***PRESIDENT HERBERT HOOVER.** *Delightful fragrance.* Mixture of scarlet, yellow, cerise and flame. 25 petals.

***SEQUOIA.** *Fruit fragrance.* Pumpkin-flesh suffused apricot. 40 petals.

***TALISMAN.** *Fragrant.* Mixture of red, orange, pink and bright yellow. 25 petals.

Climbing Roses for Fence, Trellis, and Post

These require no pruning in the spring except the cutting out of very old or dead wood, and the shortening of the laterals and long canes to make the growth conform to the space to be covered, but prune severely in July, directly after they have finished flowering.

Climbing American Beauty. A pleasing rose-pink. Dormant plants, 90 cts. each, \$9 per doz.

Dr. W. Van Fleet. The long, pointed buds are of a rich flesh-pink. This is the easiest to grow and the most satisfactory of all the light pink climbing Roses and the plants are especially vigorous. Dormant plants, 90 cts. each, \$9 per doz.

Golden Glow. Patent No. 263. A vigorous companion to Apricot Glow, but pure bright yellow blooms. Profuse bloomer. Dormant plants, \$1 each, \$10 per doz.

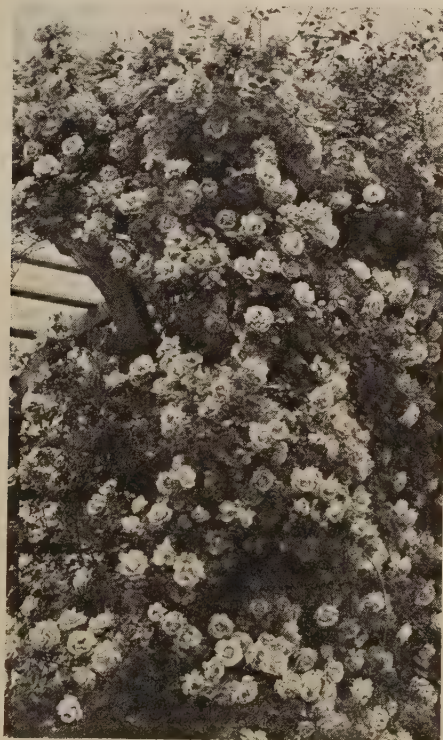
Jacotte. Color shrimp-pink, shaded golden yellow at base. Dormant plants, 90 cts. each, \$9 per doz.

Mary Wallace. Large, rose-pink flowers. Dormant plants, 90 cts. each, \$9 per doz.

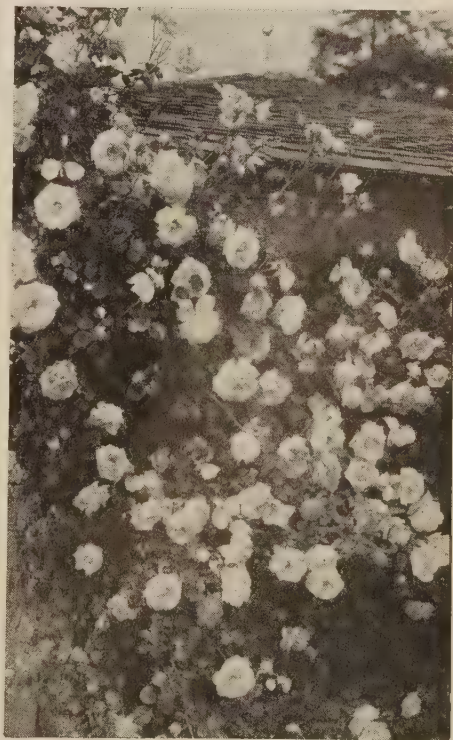
New Dawn (The Everblooming Dr. W. Van Fleet). Patent No. 1. Really the most satisfactory Everblooming Climber introduced. Flesh-pink in color. Dormant plants, \$1.50 each, \$15 per doz.

Paul's Scarlet Climber. A vivid scarlet which does not bleach or fade. Established plants often repeat several times during the season. Dormant plants, 90 cts. each, \$9 per doz.

Silver Moon. Pure white in color. Dormant plants, 90 cts. each, \$9 per doz.



Climbing American Beauty



Climbing Mary Wallace

We offer all of the above Roses in 6-inch POTTED PLANTS for delivery after May 1. SEE PAGE 108 for prices.

Tree Roses

Plant them in your perennial border, or in your Rose-garden, where they will stand head and shoulders above their companions. We offer the following varieties on **strong, straight, 3½-foot stems.** Over winter they may be dug up and buried in a trench, or heeled in under a shed. In mild latitudes fix straw among the branches, without digging up. The following will bloom this summer.

E. G. Hill. Deep fiery crimson.
Margaret McGredy. Oriental red.
Mme. Joseph Perraud. Copper-buff with pink.
Mme. Jules Bouche. White. Fragrant.
Mrs. E. P. Thom. Yellow. Mild scent.
Mrs. Pierre S. du Pont. Golden yellow. Spicy fragrance.
Pink Dawn. Deep rose-pink.
Poinsettia. Blazing scarlet-red.
President Herbert Hoover. Suffused yellow and pink. Delightful fragrance.
Radiance. Pink. Popular favorite.
Red Radiance. Red. Richly fragrant.
Talisman. Golden yellow and copper.

Pot-plants only, ready early May,
 \$4 each



Novelty Tree Roses
 Two Varieties Grafted on One Standard

Multi-tree Roses are unusual and very attractive. Imagine two different colors on one bush.

RED AND WHITE.

Hadley
Kaiserin A. Viktoria

YELLOW AND PINK.

Souv. de Claudius Pernet
Imperial Potentate

COPPERY BRONZE AND YELLOW.

Duchess of Atholl
Mrs. E. P. Thom.

Pot-plants only, ready early May,
 \$5 each

Other Types of Roses for Your Garden

Hardy Hybrid Perpetuals

The June-Blooming Roses (Bloom This Summer)

Among these are to be found some of the largest Rose blooms; they are markedly resistant to severe climatic conditions.

Frau Karl Druschki. Pure white in color.
****General Jacqueminot.** Scarlet.
****Henry Nevard.** Crimson-scarlet.
Mme. Albert Barbier. Large; creamy pink.
***Mrs. John Laing.** Double; clear pink; sweet-scented.

Any of above, Dormant plants, 85 cts. each,
 \$8.50 per doz., \$65 per 100

Miniature or Thimble Roses

Plant these hardy subjects in a rock-garden, bed, rose-border. You can make the tiny flowers into miniature bouquets to decorate the hair or use them with place-cards or in finger-bowls.

Baby Gold Star. Pat. 407. Rich yellow. Very small bud. The open bloom is the size of a quarter. Height 8 to 10 inches. \$1 each, \$2.50 for 3.

Pixie. Pat. 408. A lovely soft pink fading to white. The buds and open blossoms are no larger than a dime. Height 4 to 6 inches. \$1 each, \$2.50 for 3.

Tom Thumb. Pat. 169. Deep carmine. Tiny buds open to blooms the size of a dime and show small white centers. Height 4 to 6 inches. 75 cts. each, \$2 for 3.

Baby Ramblers or Polyanthas

Shapely bushes, mostly 1½ feet high.

Cecile Brunner (Sweetheart Rose). Dainty flowers of soft rosy pink.
Gloria Mundi. The new orange-scarlet. Ideal. Beautiful dark red.
Mrs. R. M. Finch. Double; soft rosy pink.
Orange Triumph. Scarlet-orange flowers.

Dormant plants, 90 cts. each, \$9 per doz.,
 \$70 per 100

Shrubbery Roses

Will Bloom This Summer

Hugonis. From north China, and very hardy. This is a graceful shrub with red canes, fern-like foliage, and masses of single yellow flowers in May. Will grow up to 8 feet. Dormant plants, \$1 each, \$10 per doz.

Lipstick. An everblooming Shrub Rose, producing during the whole season clusters of medium-sized, single flowers of clear cerise with salmon shadings. The yellow stamens are very attractive. Dormant plants, \$1 each, \$10 per doz.

Skyrocket. Everblooming Shrub Rose. Enormous clusters of medium-sized brilliant red blooms all season. Dormant plants, \$1 each, \$10 per doz.

The above three Roses are excellent shrubs for foundation planting, or for placing wherever you have room for a permanent bush.

Roses Available in Pots

All in 6-inch pots, ready May 1

Hybrid Teas

	Each	Doz.
Apricot Queen. Apricot . . .	\$1 75	\$17 50
Autumn. Bicolor . . .	1 25	12 50
Betty Upchurch. Pink . . .	1 25	12 50
Caledonia. White . . .	1 25	12 50
California. Orange . . .	1 75	17 50
Charlotte Armstrong. Red . . .	1 75	17 50
Christopher Stone. Red . . .	1 25	12 50
Crimson Glory. Red . . .	1 25	12 50
Dame Edith Helen. Pink . . .	1 25	12 50
Edel. White . . .	1 25	12 50
Edith Nellie Perkins. Pink . . .	1 25	12 50
E. G. Hill. Red . . .	1 25	12 50
Etoile de Hollande. Crimson . . .	1 25	12 50
Glowing Carmine. Carmine . . .	1 25	12 50
Glowing Sunset. Orange . . .	1 25	12 50
Golden Dawn. Yellow . . .	1 25	12 50
Golden Rapture. Yellow . . .	1 25	12 50
Grenoble. Red . . .	1 25	12 50
Heart's Desire. Red . . .	1 75	17 50
Heinrich Wendland. Bicolor . . .	1 25	12 50
Hinrich Gaede. Bicolor . . .	1 25	12 50
Joanna Hill. Yellow . . .	1 25	12 50
K. A. Viktoria. White . . .	1 25	12 50
McGredy's Scarlet. Red . . .	1 25	12 50
Miss Rowena Thom. Pink . . .	1 25	12 50
Mme. Henri Guillot. Pink . . .	1 50	15 00

HYBRID TEAS, continued	Each	Doz.
Mme. Joseph Perraud. Buff . . .	\$1 25	\$12 50
Mme. Jules Boche. White . . .	1 25	12 50
Mrs. E. P. Thom. Yellow . . .	1 25	12 50
Mrs. Oliver Ames. Yellow . . .	1 75	17 50
Mrs. P. S. du Pont. Yellow . . .	1 25	12 50
Mrs. Sam McGredy. Bicolor . . .	1 25	12 50
Orange Nassau. Bicolor . . .	1 25	12 50
Pink Dawn. Pink . . .	1 25	12 50
Pink Diamond. Pink . . .	1 75	17 50
Poinsettia. Scarlet . . .	1 25	12 50
Pres. H. Hoover. Bicolor . . .	1 25	12 50
Pres. Macia. Pink . . .	1 50	15 00
Radiance. Pink . . .	1 25	12 50
Red Radiance. Red . . .	1 25	12 50
R. M. S. Queen Mary. Pink . . .	1 25	12 50
Santa Anita. Pink . . .	1 75	17 50
Sequoia. Apricot . . .	1 25	12 50
Talisman. Bicolor . . .	1 25	12 50

Climbers

Cl. American Beauty. Pink . . .	1 25	12 50
Dr. W. Van Fleet. Flesh . . .	1 25	12 50
Golden Glow. Yellow . . .	1 25	12 50
Jacotte. Bicolor . . .	1 25	12 50
Mary Wallace. Pink . . .	1 25	12 50
New Dawn. Flesh . . .	1 75	17 50
Paul's Scarlet. Scarlet . . .	1 25	12 50
Silver Moon. White . . .	1 25	12 50

For complete description see pages 104 and 107

Hardy Flowering Shrubs

Prices on all Shrubs, unless otherwise noted, \$1 each, \$10 per doz.

Purchaser pays transportation beyond 50 miles of New York. Add 10 per cent for postage to your remittance if you wish delivery by mail

Almond, Flowering

Amygdalus

Fragrant flowers are borne on slender branches during May. 5 to 6 feet high.

Pink. Double-flowering; pink. 2 to 3 ft.

White. Double-flowering; white. 2 to 3 ft.

Althea (*Rose of Sharon*)

The Altheas are among the most valuable of our tall, hardy shrubs on account of their blooming from August to October. Height 10-12 ft. when mature. Plants offered are 3-4 ft.

SINGLE VARIETIES

Celestis. Single; sky-blue.

Rubis. Best of the single reds.

Snowdrift. Best of the single whites.

DOUBLE VARIETIES

Ardens. Unusual mottled violet-purple.

Boule de Feu. Deep fiery red blooms.

The Banner. Lovely white flowers with red centers.

Red Barberry (*Berberis*)

B. Thunbergi atropurpurea. 5 ft. Planted in full sun the foliage is reddish purple. It bears yellow flowers in May followed by purple berries. 2 to 2½ ft. 60 cts. each, \$6.50 per doz.



Three Buddleias
Charming, Purple Glory, Orchid Beauty

Buddleia

Charming. (*Pink Butterfly Bush*.) An outstanding novelty. Large lavender-pink flower trusses are produced abundantly throughout the summer. Grows 4 to 6 feet. 2-yr., field-grown dormant plants, at 50 cts. each, \$5 per doz.

Orchid Beauty. A splendid new variety of a soft cattleya-lilac color with a brilliant orange eye. 2-yr., field-grown dormant plants, 75 cts. each, \$7.50 per doz.

Purple Glory. A rich, dark purple. Free flowering. 2-yr., field-grown dormant plants. 75 cts. each, \$7.50 per doz.

COLLECTION OFFER No. 95: One each of the above 3 Buddleias for \$1.50

Calycanthus (Sweet-Shrub)

Floridus. 5 to 6 ft. Chocolate-colored flowers of wonderful fragrance. An old favorite. 3 to 4 ft.

Deutzia

Gracilis. A great favorite. Dwarf, covered with spikes of pure white flowers in early summer. 1½ to 2-foot plants.

Lemoinei. (*Lemoinei Deutzia*.) 5 ft. One of the earliest blooming varieties with large single flowers of snowy white. 2 to 3 ft.

Pride of Rochester. A fine, tall-growing, double, white-flowering variety. 9 to 10 feet high when mature. 4 to 5-foot plants.

Forsythia

Decorative shrub with bright yellow flowers which burst into bloom at the beginning of spring while the bush is otherwise bare.

Intermedia spectabilis. 7 to 8 feet high when mature. 3 to 4-foot plants.

Hydrangea

Paniculata grandiflora. The flowers, which are borne in dense, pyramidal panicles a foot long, are white when they first open but gradually change to rose color. 8 to 9 feet high when mature. 2 to 3-foot plants.

Kerria

Double (*K. japonica flore-pleno*). 4 to 5 ft. Rich golden flowers, like button chrysanthemums, in late spring, good for cutting. A deservedly popular shrub 2 to 3 ft.

Philadelphus (*Mock Orange*)

This old-fashioned sweet-scented shrub has long been a close rival of the lilac in popularity.

Coronarius. This variety has large white flowers. 10 feet high when mature. 3 to 4-foot plants.

Virginal. 8 ft. Large, double flowers of haunting fragrance. June. 3 to 4 ft.

Pussy Willow (*Salix*)

S. discolor. 20 ft. Desirable for its fuzzy gray catkins which appear before the leaves in early spring. 3 to 4 ft.

Pyrus (*Cydonia*) japonica

Flowering Quince

A showy shrub that blooms profusely in early spring; flowers dazzling scarlet. 4 to 5 feet high. 2 to 3-foot plants.

See page 110 for new Large-flowering Hybrids.

Spiraea

Anthony Waterer. Color bright crimson. It is of dwarf, dense growth, and blooms the entire summer and fall. 3 feet high when mature. 1½ to 2-foot plants.

Van Houttei. When in flower, the white blooms almost entirely cover the foliage. 8 feet high when mature. 3 to 4-foot plants.

Syringa or Lilac

We offer two very satisfactory varieties.

Common Purple **Common White**
2 to 3-foot plants

French Hybrid Lilacs

SINGLE VARIETIES

Charles X. 10 ft. Single. A profuse bloomer, splendid for cutting. Flowers violet-red. 2 to 3 ft. \$1.50 each, \$15 per doz.

Ludwig Spaeth. 10 ft. Single flowers of dark crimson-purple; very fragrant. 2 to 3 ft. \$1.50 each, \$15 per doz.

Marie Legraye. 10 ft. Single flowers of pure creamy white. A profuse bloomer. 2 to 3 ft. \$1.50 each, \$15 per doz.

DOUBLE VARIETIES

Mme. Abel Chatenay. 10 ft. Large, double flowers of milk-white. A late variety. 2 to 3 ft. \$1.50 each, \$15 per doz.

President Grevy. 10 ft. Large, double flowers of soft blue. A splendid variety. 2 to 3 ft. \$1.50 each, \$15 per doz.

President Poincaré. 10 ft. Double flowers of red, purple, and blue tones; immense heads. 2 to 3 ft. \$1.50 each, \$15 per doz.

Viburnum

Burkwoodi. 5 to 6 ft. Large, round clusters of bluish-white flowers. Deliciously fragrant. 1½ to 2 ft. \$3 each, \$30 per doz.

Carlesi. (*Fragrant Viburnum*.) 5 to 6 ft. Large, round clusters of fragrant waxy white flowers in early spring after leaves appear. 2 to 3 ft. \$3 each, \$30 per doz.

Plicatum (*V. tomentosum sterile*; *Japanese Snowball*.) 10 ft. Perfectly round balls of pure white in great profusion in May. 2 to 3 ft.

Vitex (*Chaste Tree*)

Macrophylla. 5 to 6 ft. Spikes of beautiful lavender-blue flowers in late summer, against the star-like gray-green leaves. 2 to 3 ft.

Weigela

These are among the most popular flowering shrubs, covered in May and early June by their large, trumpet-shaped flowers.

Bristol Ruby. (*New*.) Plant Patent No. 492. An attractive shrub with ruby-red blossoms on entire plant from June through July, and intermittently throughout the season. Six-foot fine-formed shrub at maturity. 2 to 3 ft. \$1.25 each, \$12.50 per doz.

Eva Rathke. Blooms all summer. The flowers are ruby-carmine. 5 feet high when mature. 2 to 3-foot plants.

Witch-Hazel

Hamamelis virginiana. 15 ft. Small yellow flowers in late fall after the leaves have fallen. One of the few plants which have bloom outside in winter. 2 to 3 ft.

ALL SHRUBS OFFERED on this page individually labeled and wrapped in moss and burlap. All plants splendid specimens.

NEW YORK CITY

Dig hole 2 ft. by 2 ft. Have earth-mark on shrub even with surface; spread roots outwards and downwards; work soil around them. Fill hole to the top; then water.

Hardy Flowering Shrubs 109

Broad-leaved Evergreen Shrubs and Flowering Trees



Weeping Cherry, Higan

Flowering and Decorative Trees

CHERRY, Japanese, Double-flowering, Nadin. Clear pink.

Mt. Fugi. Large white. Both varieties attain a height of 30 ft.

Above Cherries, 4 to 5 ft., \$3 each, \$30 per doz.

Weeping, Higan (*Prunus subhirtella pendula*). Blooms early in the spring with single flowers of silvery pink. 2-yr. heads on 4 to 6-ft. stems. \$6 each; \$60 per doz.

CORNUS florida. (*White-flowering Dogwood*.) 25 ft. Beautiful white flowers in early spring and brilliant red fruit in autumn. 4 to 5 ft., B&B., \$3 each, \$30 per doz.

Cornus florida rubra. 20 ft. A light red form of the popular Dogwood. 4 to 5 ft., B&B., \$6.50 each, \$65 per doz.

LABURNUM Vossi. (*Golden Chain*.) 15 ft. Tree-like, green-barked shrub with hanging clusters of golden yellow. Late spring. 4 to 5 ft., \$4 each, \$40 per doz.

MAGNOLIA Soulangeana. (*Saucer Magnolia*.) 20 ft. Broad, bell-shaped flowers 4 inches across, purplish outside, white inside. Blooms in April. 4 to 5 ft., B&B., \$6.50 each, \$65 per doz.

Stellata. (*Star Magnolia*.) 8 ft. Fragrant star-like flowers. Profuse in April. 2 to 3 ft., B&B., \$9 each, \$90 per doz.

MAPLE, Japanese Bloodleaf (*Acer palmatum atropurpureum*). 10 ft. An attractive dwarf tree with profuse blood-red foliage. 2 to 3 ft., B&B., \$5.50 each, \$55 per doz.

Tree Viburnum (Carlesi)

On standards 3 feet tall with splendid head, producing many fragrant pinkish white flower-heads. We offer in tubs. \$5 each.

CYDONIA

Flowering Quince

A new hybrid race of large-flowering varieties. One of the earliest shrubs to bloom. Fine for the border, hedge, or specimen planting.

New Cathayensis Hybrids

Enchantress. Large shell-pink blooms.
Masterpiece. Cheerful rosy scarlet blooms.

Mount Everest. Open flowers of white tinted lavender.

Rosemary. Vivid deep rose.

All of the above plants, 3 to 4 ft., we offer in tubs at \$4 each.



Tree Wisteria

Tree Wisterias

Here is a most unusual plant for your garden. Can be used as a specimen in your lawn or as accent points in your garden. The plants we offer are on strong 4-foot standards with well-developed heads. We offer in tubs.

Blue. \$5 each. **White.** \$6 each.

AZALEAS

Amoena. A compact plant. Foliage turns a bronzy tone in winter. Flowers are rosy purple. 18 to 24 in., \$2.50 each.

Amoena coccinea. A new evergreen Azalea, with bright crimson or cherry-red flowers. 15 to 18 in., \$3.50 each; 18 to 24 in., \$4.50 each.

Hinodegiri. Brilliant crimson-scarlet, a clear, handsome shade that everybody likes. 10 to 12 in., \$1.75 each, \$17.50 per doz.; 12 to 15 in., \$2.50 each, \$25 per doz.

Kaempferi. We offer the Japanese Azaleas in three colors: Brick-Red, Pink, or Purple. 18 to 24 in., \$4 each.

Kaempferi Hybrids, Mixed. Includes the three colors previously named, but sold as mixture only. 18 to 24 in., \$3.50 each; 30 to 36 in., \$5 each.

RHODODENDRONS

The Aristocrats of the Plant Kingdom

Select Hybrid Seedlings Mixed Brilliant Colors

These are strong, well-rooted seedlings from seed collected from the finest English named varieties, including a wide range of desirable colors, mostly in the brilliant darker shades.

15 to 18-in. plants, very bushy, well budded, \$2.50 each, \$22.50 for 10.

18 to 24-in. plants, \$3.50 each, \$32.50 for 10.

24 to 30-in. plants, \$4.50 each, \$42.50 for 10.

30 to 36-in. plants, \$6.50 each, \$62.50 for 10.

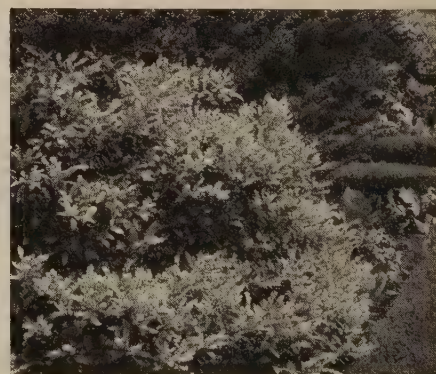
Other Evergreen Shrubs

ANDROMEDA (*Pieris floribunda*. (*Mountain Andromeda*.) 4 ft. A native shrub with clusters of white bells in April and May. Flowers resemble lily-of-the-valley. 15 to 18 in., B&B., \$4.50 each, \$45 per doz.

Japonica (*P. japonica*; *Japanese Andromeda*.) 10 ft. A taller-growing Andromeda of extra hardiness. Choice Oriental shrub blooming in April and May. 1½ to 2 ft., B&B., \$5 each, \$50 per doz.

ILEX opaca. (*American Holly*.) 30 ft. Shapely tree with beautiful shiny foliage and brilliant red berries lasting all winter. 2 to 3 ft., B&B., \$4.50 each, \$45 per doz.

KALMIA latifolia. (*Mountain Laurel*.) 6 ft. Attractive foliage at all times and large clusters of cupped pink flowers in June. 2 to 3 ft., B&B., \$4.50 each, \$45 per doz.



Andromeda (Pieris) floribunda



MAGNOLIA SOULANGEANA

White inside, purple reverse
4 to 5 ft., Balled and Burlapped, \$6.50 each
\$65 per doz.



LABURNUM VOSSI (Golden Chain)

Golden yellow. 4 to 5 ft., \$4 each, \$40 per doz.



VITEX MACROPHYLLA

Flowers in late summer. Spikes of lavender-blue flowers. 2 to 3 ft., \$1 each, \$10 per doz.

CORNUS FLORIDA (Dogwood)

Pink-flowering. A deep hue. 4 to 5 ft., Balled and Burlapped, \$6.50 each, \$65 per doz.

White-flowering. 4 to 5 ft., Balled and Burlapped, \$3 each, \$30 per doz.



FLOWERING SHRUBS

FOR EVERYBODY'S GARDEN



HYBRID LILACS, French, Single
Charles X, red-purple; Marie Legraye, white;
Ludwig Spaeth, lavender
2 to 3 ft., \$1.50 each, \$15 per doz.



Viburnum Burkwoodi
Blush-white. 1½ to 2 ft., \$3 each,
\$30 per doz.



WEIGELA, Bristol Ruby. Plant Patent No. 492
Blossoms on entire plant June, July and intermittently throughout summer. 2 to 3 ft., \$1.25 each,
\$12.50 per doz.

SMALL FRUITS

for the Home Gardener



CUMBERLAND RASPBERRY



CHIEF RASPBERRY



ELDORADO BLACKBERRY

BLACKBERRIES

Blowers. Large, glossy fruit of fine quality.
Eldorado. Large, coal-black berries of melting sweetness.

Mt. Pocono. A fine variety.

20 cts. each, \$2 per doz.
 \$15 per 100



NEW HYBRID BLUEBERRIES

Concord. Upright grower with large berries.
Rubel. Tall bushes producing fruit of excellent quality.

1 to 1½ ft., \$1.50 each, \$15 per doz.
 1½ to 2 ft., \$2 each, \$20 per doz.

RASPBERRIES

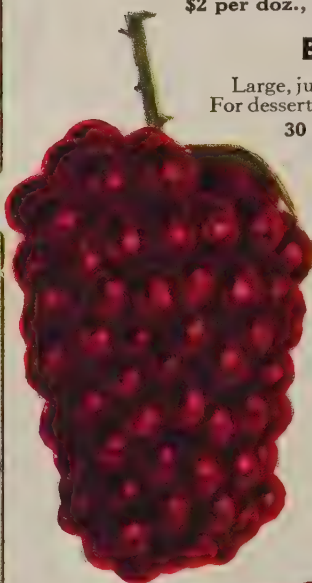
Cumberland. Fine black-cap of excellent flavor.
Chief. An early red variety of excellent quality.

2-yr. transplanted canes, 20 cts. each
 \$2 per doz., \$15 per 100

BOYSENBERRY

Large, juicy berries of unusual sweetness.
 For desserts, wines, jelly, jam, or preserves.

30 cts. each, \$3 per doz.
 \$20 per 100



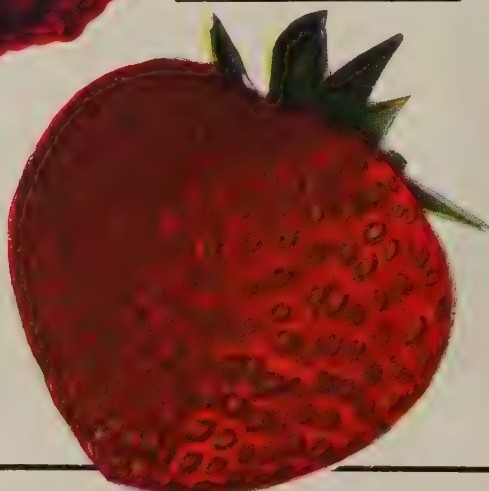
STRAWBERRIES

Two Fine Berries

RED STAR. The best June-bearing variety.

MASTODON. The best everbearing sort.

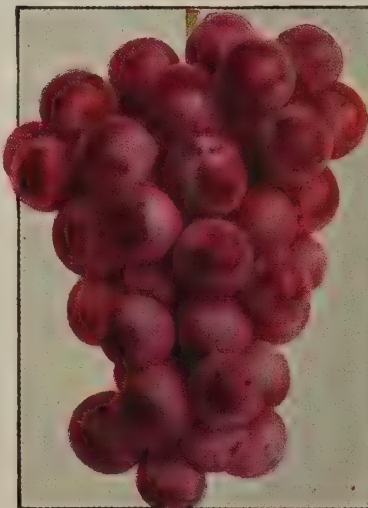
Potted plants ready April -May. \$2 per doz., \$10 per 100, will bear a small crop first year. Also available after August in pots for fall planting and a good yield in 1943, same price.



PORTLAND GRAPE



CONCORD GRAPE



CACO GRAPE

GRAPES

Super 2-yr. Stock

Portland. A very early white Grape.
Concord. The standard blue-black.

Above two, 50 cts. each
 \$5 per doz.

Caco. Fine bunches of wine-red berries of delicious sweetness. 75 cts. each, \$7.50 per doz.

SMALL FRUITS AND TREES FOR THE HOME GARDEN

Now More Than Ever We Should Grow Fruit. Rising Prices Make It a Good Investment
NOTHING FINER THAN FRESH FRUITS FROM YOUR OWN GARDEN

FRUIT TREES

STANDARD. 5 to 7 ft.

\$2 each, \$20 per doz., except where noted.

APPLES. Plant in rich soil. As soon as trees begin to bear fruit they should be sprayed every winter and spring.

Baldwin. (Late.) Deep red. All purpose. Delicious. (Late.) Dark red eating Apple of delightful flavor.

McIntosh. (Late.) Dark red, white-fleshed eating Apple. Extra quality.

Yellow Delicious. (Late.) Large; golden yellow.

Hyslop. (Crab.) Red and yellow striped. The best Crab-Apple.

PEACHES. Peaches thrive in light, well-drained soil. The trees will not live in wet ground.

Belle of Georgia. (Late.) White freestone. Juicy and of fine flavor.

Elberta. (Midseason.) Yellow freestone. Attractive and excellent quality.

Hiley. (Early.) White freestone. Dependable all-purpose Peach.

J. H. Hale. (Midseason.) Yellow freestone. Large attractive fruit of extra quality.

CHERRIES. Plant 20 feet apart in good soil. Require little pruning and are easy to care for.

Black Tartarian. (Early; sweet.) Large black fruit of best quality. \$2.50 each, \$25 per doz.

Governor Wood. (Early; sweet.) Large yellow fruit with red cheek. \$2.50 each, \$25 per doz.

Improved Montmorency. (Midseason; sour.) Attractive red fruit with firm flesh. The best sour Cherry. \$2.50 each, \$25 per doz.

Sweet September. Pat. 94. (Late; sweet.) Fine quality dark red fruit ready to pick in early autumn. \$2.50 each, \$25 per doz.

Yellow Spanish. (Early; sweet.) Amber-yellow flushed red. Firm sweet flesh. \$2.50 each, \$25 per doz.

PEARS. Plant in good soil and give occasional cultivation. They require little attention.

Anjou. (Late fall.) Large yellow Pear blushed red. Richly flavored flesh.

Bartlett. (Late summer.) Large yellow fruit.

Seckel. (Late summer.) Small brownish fruit.

PLUMS. Do well in any good soil but two or more should be planted to insure pollination.

Abundance. Flesh light yellow, very sweet.

Burbank. Large dark violet fruit.

Prune. Large dark blue fruit.

QUINCE. The trees are ornamental and thrive in ordinary garden soil.

Orange. Bright yellow fruit with tender flesh. the best Quince for home use.

Dwarf Types

Dwarf trees bear earlier than standard trees and are easier to pick. Ideal for small grounds.

APPLES, McIntosh. 2 yr. Red. \$3 each, \$30 per doz.

Yellow Delicious. 2 yr. Yellow. \$3 each, \$30 per doz.

PEARS, Bartlett. 2 yr. Yellow. \$2.50 each, \$25 per doz.

Seckel. 2 yr. Russet. \$2.50 each, \$25 per doz.

ASPARAGUS. Plant 8 to 10 inches deep, 18 inches apart, in a heavily manured trench but do not allow roots to touch manure when planting.

Paradise. (New.) A heavy-bearing variety from young roots. Stalks large and very early of a fine quality. \$5 per 100, \$40 per 1000.

Washington. Colossal dark green shoots tinted purple. Produces heavy cuttings.

2-yr. selected crowns, \$3.50 per 100, \$30 per 1000. Forcing clumps, \$6 per 100, \$50 per 1000.

Conover's Colossal. \$3 per 100, \$27.50 per 1000.

RHUBARB. Plant 3 feet apart in well-manured ground. Mulch with manure after ground freezes.

Victoria. A reliable and productive variety. Roots, 15 cts. each, \$1.50 per doz., \$10 per 100.

Extra-strong clumps, 25 cts. each, \$2.50 per doz. Forcing clumps, 50 cts. each, \$5 per doz.

McDonald. A Canadian variety hardy even in Alaska. Deep crimson stalks of tender delicious flesh. Roots, 30 cts. each, \$3 per doz.

BERRIED FRUITS

GRAPES. Plant at least 6 feet apart in ordinary good soil and train on wire or other supports. Prune every winter after established.

All Grapes, 2-yr. selected stock, 50 cts. each, \$5 per doz., except where noted.

Caco. (Red.) Large wine-red berries. Midseason. 75 cts. each, \$7.50 per doz.

Catawba. (Red.) Dark purplish red berries of extra quality. Late.

Concord. (Black.) The standard blue-black Grape. Midseason.

Niagara. (White.) The midseason greenish white Grape.

Portland. (White.) An early green-white Grape of highest quality.

Worden. (Black.) Large clusters of very sweet blue-black Grapes. Earlier than Concord.

RASPBERRIES. Good soil and regular cultivation pay dividends in heavy crops of fruit. Plant 3 feet apart in rows 6 feet apart.

All Raspberries, 2-yr. transplanted stock, 20 cts. each, \$2 per doz., except where noted.

Bristol. (Black.) New excellent quality. Early.

Chief. (Red.) Midseason variety of heavy yield. Popular.

Cumberland. (Black.) Heavy bearer of delicious berries. Midseason.

Cuthbert. (Red.) A high producer of superior quality. Midseason.

Golden Queen. (Yellow.) Wonderfully sweet golden berries. 25 cts. each, \$2.50 per doz.

Indian Summer, Everbearing. (Red.) A full crop in June and another in the fall.

St. Regis, Everbearing. (Red.) Crimson berries from early until late. Delicious.

Taylor. (Red.) Large attractive berries of excellent quality. Midseason.

BLACKBERRIES. Plant 3 feet apart in rows 6 feet apart and keep cultivated.

All Blackberries, 2-yr. plants, 20 cts. each, \$2 per doz., \$15 per 100

Blowers. Large glossy berries of fine quality.

Eldorado. Large black very sweet berries.

Mt. Pocono. Firm fruit of unusual quality.

BLUEBERRIES. Like moist, sour soil. To ordinary land add large quantities of peat and sand and do not allow to dry out. Plant 4 feet apart.

Concord. Grows 6 feet tall and bears heavy crops of large berries of best quality in July.

12 to 18 in., \$1.50 each, \$15 per doz.

18 to 24 in., \$2 each, \$20 per doz.

Rubel. Another 6-foot variety which ripens berries in July. Large fruit of fine color.

12 to 18 in., \$1.50 each, \$15 per doz.

18 to 24 in., \$2 each, \$20 per doz.

BOYSENBERRY. Treat like blackberries. Wine-colored berries larger than blackberries and with a distinct tangy flavor. Very few seeds. A quality berry. Strong canes 30 cts. each, \$3 per doz.

CURRENTS. Plant in rows 6 feet apart and 4 feet between bushes in row. The soil should be well worked to a depth of 1 foot before planting.

All Currents, 2-yr. plants, 35 cts. each, \$3.50 per doz.

Fay's Prolific. Vigorous, productive bushes. Large clusters of dark red, juicy berries.

Pres. Wilder. Upright bush. Fine, large, bright red berries, firm and juicy.

White Grape. Large, yellowish white berries in large clusters. Excellent quality.

GOOSEBERRIES. Cultivation as for currants. They need close pruning every year.

All Gooseberries, 2-yr., 50 cts. each, \$5 per doz.

Downing. Prolific with large pale green berries.

Houghton. Medium-sized red berries.

BUSH CHERRIES. Dwarf trees rarely over 5 feet tall. Thrive most anywhere.

Hansen. Clusters of plum-like dark red fruit, good to eat fresh or make delicious preserves.

2-yr., 60 cts. each, \$6 per doz.

Oka. Fruit resembles a small plum, is dark red in color, and may be eaten fresh or cooked.

2-yr. 75 cts. each, \$7.50 per doz.

STRAWBERRIES

Are Easily Grown

Early Varieties

Blakemoor. An extra-early variety with large fruit excellent for preserving. A U. S. Government variety.

Dorsett. A very vigorous-growing variety. Early. Bright red, cone-shaped berries.

Fairfax. Berry of exceptional firmness and high dessert quality. A prolific bearer.

Red Star. Large, solid berry, red clear through. Heavy producer. A U. S. Government variety.

Midseason and Late

Big Joe. Very productive with extremely large berries, and one of the best-flavored sorts. In size, firmness, yield and color. Midseason.

Catskill. Plants are large and healthy. Fruit extremely large, well colored. Midseason.

Chesapeake. Has a beautiful appearance. Extra large and even in shape. Late.

New Jersey. Produces an abundance of large, bright flame-colored berries.

Everbearing Varieties

Mastodon. Fruit is very large and produces berries from summer to late fall.

Progressive. Produces fruit all season. Berries of medium size and full flavored.

We can make delivery in April and May of strong pot-plants carried over in frames from plants potted in late fall. Will bear some fruit this season. We can also supply pot-plants from August to late fall.

Above, Potted Plants, \$2 per doz., \$10 per 100, \$80 per 1000

Alpine Strawberries

Plant in borders, rock-gardens, or beds and enjoy a crop of small, delicious berries all summer. In flavor they are similar to the Wild Strawberry.

Baron Solemacher. Red fruits. Sweet.

Potted Plants, May delivery, \$1.50 per doz., \$8 per 100

Multi-Kind Fruit Trees

Here is a space-saving novelty that is highly practical. To produce these trees, from three to five different varieties have been budded onto one stem.

Each tree is growing in a wood tub to insure that it reaches you in perfect condition, and to enable us to make delivery at anytime of the year. You may keep it in its tub for two seasons to decorate your penthouse, roof-garden or porch, and at any time you may transfer it to your garden or plant it as a specimen on your lawn.

Quint-Apple. Five different kinds of apple, all on one tree.

Quint-Peach. Five different kinds of peach, all on one tree.

Aprium-Peach. Three stone-fruits, all on one tree—peach, plum and apricot.

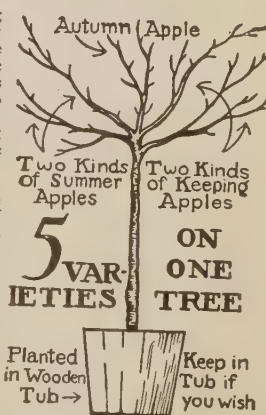
Tri-Pear. Three different kinds, all on one tree.

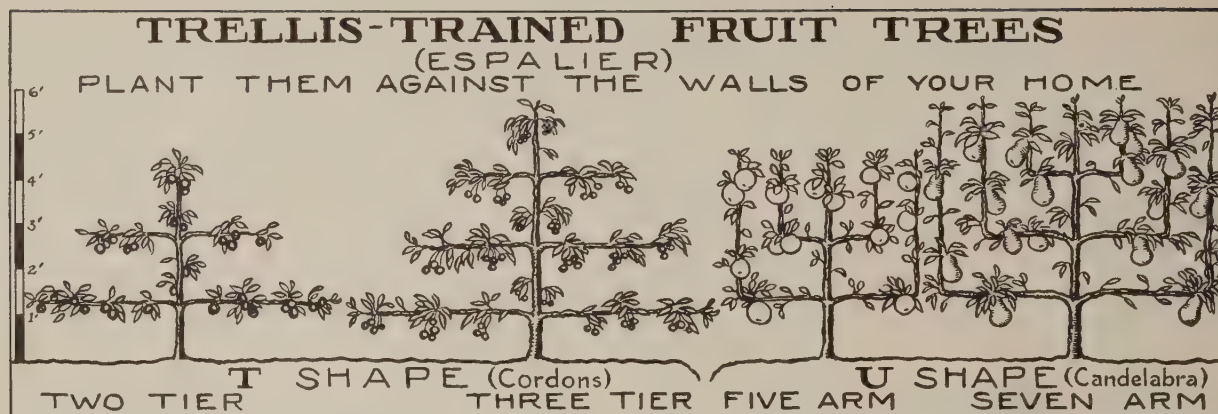
Tri-Cherry. One sweet and two of sour cherry, all on one tree.

Any of above, in tubs, \$4 each, \$40 per doz.

COLLECTION MK: One each of above 5 Multi-Kind Trees (value \$20), \$17.50

Trees are two years old, with a main stem $\frac{1}{2}$ inch to 1 inch in diameter and should bear fruit the second to fourth season after delivery. When mature and in full bearing in later years, one tree will occupy a circle 15 to 20 feet in diameter, but will give a varied assortment that otherwise could be only obtained from three to five trees.





Old-Time European Method of Growing Fruit, Now Available for American Gardens

These one-dimension flat-branched fruit trees were developed by European horticulturists many generations back to solve the problem of limited garden space: they fastened them to walls, arbors or fences and grew their fruit without shading their gardens.

They are now produced in America and are recommended for placing against the east, south or west walls of your home or garage, where they are highly decorative; they are ideal for the penthouse garden. A fenced-in play-green can be planted with them or they may screen the intimate area you may plan for your daily sun-bath.

Between 4 and 6 feet high when planted, they develop through the years until one day you may gather fruit by walking upstairs. You can train them to grow around a window or over a door.

They are the last word in space economy. The shelter of a wall means earlier and more luscious fruit, of which they will actually yield a considerable amount.

Varieties of Trellis-Trained Fruit Trees

APPLE, DELICIOUS. Red-striped, long-pointed fruit of excellent flavor. At its best from October to December.

CHERRY, BOHEMIAN. Large, sweet, deep blood-red fruit of excellent flavor. Ready in July.

PEACH, ELBERTA. Freestone. Yellow-flesh Peaches, each with a red cheek, fine melting flavor and juicy. Ready in August.

PEAR, CLAIRGEAU. Very large, yellow fruit, with a handsome red flush. Fine flavor. Ready in September.

PLUM, REINE CLAUDE. Large, dark purple fruit, juicy and delicious. Ready in August.

Planting and pruning directions are enclosed with each order.

These should begin to fruit (if conditions are favorable) in 1943, perhaps some this season, and increasing with the years.

Prices of Trellis-Trained Fruit Trees

T SHAPE, two tier. Three years old, 3 to 4 ft. high; width between extreme shoots of lower tier 6-8 ft. Each \$7 00

T SHAPE, three tier. Four years old, 4 to 5 ft. high; width between extreme shoots of lowest tier 7-9 ft. 9 00

Available in T Shape: Apple, Cherry, Peach, Pear, Plum.

U SHAPE, five-arm. Four years old, 3 to 4 ft. high; spread 4 ft. 10 00

Available: Apple, Cherry, Pear, Plum (sorry, no Peach).

U SHAPE, seven-arm. Five years old, 4 to 5 ft. high; spread 6 ft. 15 00

Available: Apple, Pear, Plum (sorry, no Cherry or Peach).

COLLECTIONS OF T SHAPED TREES:

No. EFA—5 Trellis-Trained Trees, T Shape, two tier, one each
5 kinds (value \$35.00). \$30 00

No. EFB—5 Trellis-Trained Trees, T Shape, three tier, one each
5 kinds (value \$45.00). 39 00

HARDY CLIMBING AND FLOWERING VINES

Ampelopsis

Boston Ivy; Japan Ivy

Veitchi. The most popular of all climbing plants. Attains a height of 30 feet in two or three years; clings to stones, brick, or woodwork. 50 cts. each, \$5 per doz., \$40 per 100.

Engelmanni (Improved Virginia Creeper). A splendid climber with dense foliage. Clings tightly to walls. 50 cts. each, \$5 per doz., \$40 per 100.

Aristolochia Sipho

Dutchman's Pipe Vine

A vigorous and rapid-growing climber, bearing brownish colored flowers which resemble a pipe in shape. \$1.25 each, \$12.50 per doz.

Bignonia

Grandiflora. A fast-growing vine with large orange trumpets borne in profusion during summer. Succeeds most anywhere. \$1.50 each, \$15 per doz.

Grandiflora, Mme. Galen. Tawny reddish orange flowers, 3 to 4 inches across. Perfectly hardy and does well almost anywhere. \$2 each, \$20 per doz.



Wisteria

These are strong, 2-year-old, grafted plants which more definitely assure flowering in from 2 to 3 years if planted in sunlight and well-drained soil.

Sinensis (Chinese Wisteria). When established it grows 15 to 20 feet in a season. Flowers pale blue. \$1 each, \$10 per doz.

Sinensis alba. White. \$1 each, \$10 per doz.

Celastrus scandens

Bittersweet or Waxwork

One of our native climbing plants with attractive light green foliage and yellow flowers during June, followed in the autumn by bright orange fruit. \$1 each, \$10 per doz.

Honeysuckle

Halliana (Hall's Japan Honeysuckle). White flowers changing to yellow; very fragrant. 50 cts. each, \$5 per doz.

Scarlet Trumpet. This is the handsomest variety in cultivation. It produces inodorous flowers. 50 cts. each, \$5 per doz.

Pueraria Thunbergiana

Kudzu Vine

A hairy vine to 60 feet with fragrant purple flowers in late summer followed by hairy pods. 35 cts. each, \$3.50 per doz.

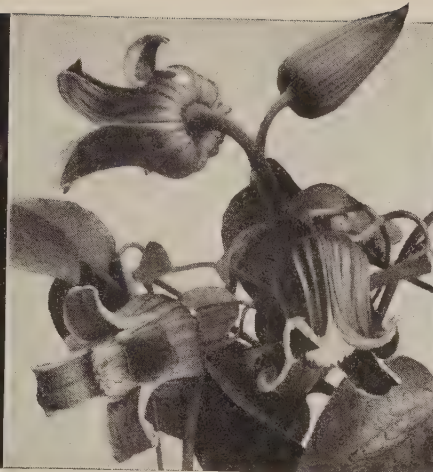
Polygonum Auberti

Silver Lace Vine

The plant is of strong, vigorous growth, attaining the height of 25 feet or more, and producing great foamy sprays of white flowers. \$1 each, \$10 per doz.



Clematis Lawsoniana



Clematis crispa



Clematis, Duchess of Edinburgh

Clematis

Clematis hybrids should enjoy a spot in everyone's garden. Their outstanding color and form lend dignity and charm. Grown on trellises, arbors, pergolas, old tree stumps, and walls, they will lend color in many parts of your garden. The single large-flowering and double varieties cover almost the entire color-range and the many small-flowered kinds have curiously formed blooms.

SINGLE LARGE-FLOWERING

Comtesse de Bouchard. Curved petals that range in color from satiny rose to rich pink. \$1 each.

Crimson King. A beautiful crimson-toned flower with a satiny finish. \$1.50 each.

Duchess of Albany. Gorgeous pink, trumpet-like flowers. An unusual type. \$2 each.

Single-Flowering, continued

Henryi. Large white blooms, frequently measuring 8 inches across. \$1 each.

Jackmani. A perfect mass of bloom. Dark, rich purple. \$1 each.

Jackmani rubra. A vigorous bright red variety. Very free flowering. \$1.50 each.

Jackmani superba. Dark violet-purple blooms of a rich substance. \$2.50 each.

Lawsoniana. Large; rosy purple. \$1 each.

Lord Neville. Large; purplish plum. \$1 each.

Mme. Baron Veillard. Striking pale lilac-rose blooms. \$1 each.

Mme. Edouard Andre. Unusual reddish purple flowers. \$1 each.

Ville de Paris. Soft blue with red on each petal. \$1 each.

DOUBLE LARGE-FLOWERING

Belle of Woking. Pale bluish mauve. \$1.50 each.

Duchess of Edinburgh. Large, double white flowers. \$1 each.

Small-flowering Clematis

Crispa. Small, bell-shaped, purple flowers. Most unusual. 85 cts. each.

Montana undulata. A profusion of soft mauve-pink flowers. Splendid for wall planting. 85 cts. each.

Paniculata (Virgin's Bower). White flowers appear in August, continue until frost, deliciously fragrant. 50 cts. each.

Tangutica obtusiuscula. Golden yellow bells on stately stems. 85 cts. each.

Texensis (*C. coccinea*). Urn-shaped, vivid scarlet blooms. 85 cts. each.

ANNUAL PLANTS FOR BEDDING AND TENDER VINES

Many annual flowers bloom over a longer period of time, if started indoors during the winter months. For those of our patrons who do not have the facilities for doing this, we offer a selected list of these plants. They have been grown individually in pots in our greenhouses and are of ideal size to set in the garden.

On orders for Annual Plants \$3.50 or more in value, we prepay to points within 50 miles of New York City. All shipments to points beyond 50 miles are made by express, charges collect.

An additional charge of 50 cts. for crating or specially packing orders for pot-grown Annuals when the total value is less than \$3.50.

AGERATUM, Purple Beauty. Effective bedding and edging plant, 9 ins. high. 3-in. pots, 20 cts. each, \$2 per doz., \$12 per 100.

ALYSSUM, Violet Queen. Dwarf.

White Carpet. 3 inches tall.

2 1/4-in. pots, 10 cts. each, \$1 per doz., \$7 per 100

ANTIRRHINUM (Snapdragon), Rust-proof Super-Giants. 2 1/4-in. pots, 10 cts. each, \$1 per doz., \$7 per 100.

ASTER, Midseason Giants. (Wilt-resistant.) Azure-Blue, Lilac, Purple, Rich Rose, Shell-Pink, White.

Each color, 2 1/4-in. pots, 10 cts. each, \$1 per doz., \$7 per 100

COLEUS, Assorted. 2 1/4-in. pots, 15 cts. each, \$1.50 per doz., \$10 per 100.

DAHLIA, Dwarf Bedding Hybrids. Plant 18 to 20 inches apart. 3-in. pots, 20 cts. each, \$2 per doz., \$12 per 100.

ENGLISH IVY. 2 1/4-in. pots, 15 cts. each, \$1.50 per doz., \$10 per 100. 4-in. pots, 35 cts. each, \$3.50 per doz., \$25 per 100.

GERANIUMS. Pink and Red. 4-in. pots, 25 cts. each, \$2.75 per doz., \$22 per 100.

HELIOTROPE, Royal Fragrance. 2 1/4-in. pots, 15 cts. each, \$1.50 per doz., \$10 per 100. 4-in. pots, 25 cts. each, \$2.50 per doz., \$18.50 per 100.

LANTANA. Orange, white, rose. 3-in. pots, 20 cts. each, \$2 per doz., \$12 per 100.

The Five Best Marigolds

3-in. pots, 20 cts. each, \$2 per doz., \$12 per 100

Guinea Gold. Flowers of rich golden yellow.

Harmony. Orange and maroon.

Scarlet Glow. Glowing, fiery red.

Yellow Pygmy. Light lemon-yellow.

Yellow Supreme. Dazzling lemon-yellow.

Petunias

All Petunias, except where otherwise noted, 2 1/4-in. pots, 10 cts. each, \$1 per doz., \$7 per 100

Balcony Blue. A shade of cornflower-blue.

Balcony Purple. Velvety violet-purple.

Balcony Rose. Clear rose blooms.

Balcony White. A nice clean white.

New Rosy Morn. Rosy crimson.

Rose of Heaven. Rich, brilliant rose.

S. & W. Co's Dwarf Giants of California.

Heavily marked and delicately veined.

4-in. pots, 25 cts. each, \$2.50 per doz., \$18.50 per 100.

SALVIA, Bonfire. Brilliant scarlet. 2 1/4-in. pots, 10 cts. each, \$1 per doz., \$7 per 100.

VERBENA, Giant Flowering, Mixed.

Many colors. 2 1/4-in. pots, 10 cts. each, \$1 per doz., \$7 per 100.

VINCA variegata. Green-and-white leaves.

3-in. pots, 25 cts. each, \$2.50 per doz., \$20 per 100.

Zinnia

Crown O'Gold. Pastel tints.

Giant Double Dahlia-flowered, Mixed.

A wide range of rich colors.

S. & W. Co's, Midget, Mixed. An unmatched mixture of the little Zinnias.

2 1/4-in. pots, 10 cts. each, \$1 per doz., \$7 per 100

Vegetable Plants (Pot-Grown)

EGGPLANT, N. Y. Improved Spineless.

Large, fruits of rich purple-black.

PEPPER, Chinese Giant. A large early,

sweet Pepper with unusually thick flesh.

TOMATOES.

Crimson Cushion (Beefsteak); **John**

Baer; **Marglobe**; **Mingold**, yellow;

Ponderosa; **Stone**.

2 1/4-in. pots, 10c. each, 75c. per doz., \$5 per 100

Tender Vines

3-in. pots, 20 cts. each, \$2 per doz., \$12 per 100

MORNING-GLORY.

Heavenly Blue. Shining sky-blue flowers.

Pearly Gates. A white Heavenly Blue.

Rose Marie. Pink. **Scarlett O'Hara.** Red.

Mexicana (Night-fl. Moonflower). White.

PASSIFLORA (PASSION FLOWER).

A curiously beautiful flower with creamy

white petals and a fringed halo of blue and

purple rays around the mysterious center.

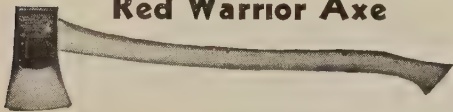
3-in. pots, \$1 each, \$10 per doz., \$70 per 100.

Aprons, Bird-Houses, Flower Boxes, Baskets, Window-Boxes, Etc.

Aprons, Garden

Blue Denim. With Bib. \$2.50.
Duck. With Bib. \$3.50.
Rubber. With Bib. \$4.25.

Red Warrior Axe



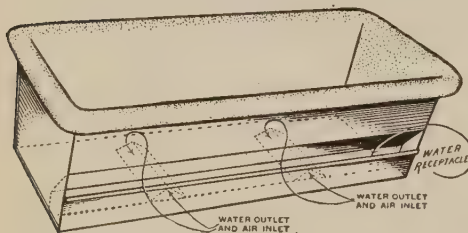
Full ground, full polished, made of fine quality hardened steel. Will stand up under hard usage. Handle 32 inch. Weight 3½ lbs. Head 8 in. long, 3¼ in. wide. \$3.

Boxes for Cut-Flowers

Cardboard, Flower. Ivy green; lock corners.
Doz. 100
24 x 8 x 5 in. deep. \$3 75 \$22 00
28 x 8 x 5 in. deep. 4 50 27 00
36 x 10 x 6 in. deep. 7 00 45 00

Corrugated Cardboard. Very heavy and durable; extensively used by florists for shipping cut-flowers.
Doz. 100
28 x 8 x 5 in. deep. \$4 50 \$27 00
30 x 12 x 6 in. deep. 6 50 38 00
36 x 12 x 6 in. deep. 8 00 48 00
48 x 14 x 8 in. deep. 10 00 60 00

Window-Boxes



Made of galvanized sheet metal. Painted green. Each

24 x 8½ x 6¼ in. deep. \$2 25
30 x 8½ x 6¼ in. deep. 3 00
36 x 8½ x 6¼ in. deep. 3 75
48 x 8½ x 6¼ in. deep. 4 75

Brackets for attaching Boxes on or below window-sill, \$1.50 per pair.

Sawco Seed Feeder

No. 715



Made of California redwood. Assures a constant supply of seed for the birds by gravity feed. Holds approximately 3 pounds of Wild Bird Seed Mixture. 9 in. high, 7 in. wide. \$1.

Bird Food

Wild-Bird Seed-Mixture. A special mixture of seed adapted to wild life. 1 lb. 25 cts., 5 lbs. \$1, 25 lbs. \$4.50, 100 lbs. \$16.

Wild-Bird Cake. A balanced food. Contains seeds, grains, and berries. Molded with suet into cakes. Appeals to many of the wild birds. 30 cts. each, 4 for \$1.

Mixed Canary Seed. Recleaned. Consists of canary seed, rape, millet, and hemp. 1 lb. 20 cts., 5 lbs. 90 cts., 100 lbs. \$14.

Baskets



C. General-Purpose Basket

1-bus. size. . . . \$2 50 | 3-bus. size. . . . \$5 00
2-bus. size. . . . 3 50

D. Gardeners' Baskets

20½ x 13½ x 7 in. deep. \$3 00
24 x 15½ x 9 in. deep. 3 75

E. Picking Basket

¼-bus. size. . . \$2 00 | ½-bus. size. . . \$2 50

F. English Garden Baskets

16 x 8 x 4½ in. \$3 50
20 x 10 x 4½ in. 4 00

G. Flower and Fruit Baskets

13 x 13 x 3½ in. deep. \$1 50
20 x 12 x 3½ in. deep. 1 75
22 x 14 x 3½ in. deep. 2 00

Fruit Baskets

(Not Illustrated) 100 1000

Strawberry. 1-qt. size. . . . \$3 50 \$17 50
Peach. 2-qt. size. 4 50 22 50

Bird-Houses and Feeders

Sawco Suettes No. 14



A complete bird-food. Suet processed to keep indefinitely with seed, peanut hearts, berries and fruit. Molded in attractive forms: Turkey, Santa Claus and Rabbits. California redwood frame treated with linseed oil. Complete holder and all three forms \$1.60. Extra suettes, 30 cts. each.

Sawco Bluebird House or Tree Swallow

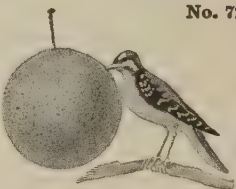
No. 706



Very well constructed and should last for years. Provisions have been made for easy cleaning. House 10 inches high. Furnished in smoothed red hemlock or silver birch. State which when ordering. \$2.

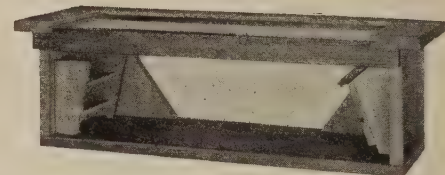
Sawco Suet Balls

No. 720



Your purchase is all food. Let no bird guest leave your place hungry. Hang one from the center of each window, from the top of the porch, from the limbs of trees, etc. Each box of four contains an attachment for hanging from your window so that suet does not touch the glass. An ideal gift package. Set of four with attachment \$1.25; individually 35 cts. each.

Sawco Window Feeder No. 712



Designed with a glass roof to encourage a closer observation and study of our winter birds. It is admirable for shut-ins where long hours of the day may be spent in pleasure. 27 in. long, 9 in. high, 8 in. deep. Made of selected California redwood. \$4.75.

Sawco Chickadee or Nuthatch House

No. 708



Well made and durable; 13 inches high. Beautifully constructed of either red hemlock or silver birch. State which when ordering. \$2.50.

Sawco Suet Feeder

No. 709

A cordial welcome to all wild birds. So designed that the birds may approach from both sides and feed. Feeder 11 inches high. Finished in red hemlock or birch. State which when ordering. Complete with two suet cakes. \$1.65.



Burlap, Burners, Carts, Cultivators, Etc.

Bulb Planter



The tapered cup removes soil and makes a perfect planting-hole in one operation. Junior, 60 cts. each; Senior, long handle; stooping unnecessary (not illustrated), \$4.50.

Burlap

Natural color in bolts of approximately 100 yards.

	Per yd.
36 in.	\$0 30
48 in.	34
60 in.	37

Lots of 500 yds. or more, deduct 3 cts. per yd.; less than 25 yds., add 5 cts. per yd.

Green color in bolts of 50 yards.

	Per yd.
35 in.	\$0 35
48 in.	45

Less than 50 yds., add 5 cts. per yd.

Sawco All-Steel Burner

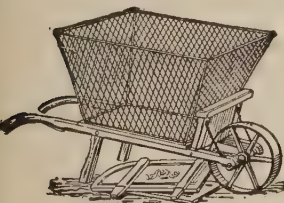
A portable incinerator. Made of strong angle iron and heavy steel expanded metal netting which is fire-proof and guaranteed for years.



Capacity	Size of Top	Depth	Each
No. 1. 16 cu. ft.	36 in. x 48 in.	24 in.	\$57 50

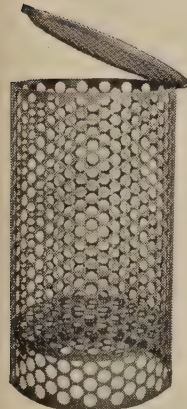
Wire Leaf Rack

A practical device for transporting leaves, cut grass, and litter. Can be attached to any wheelbarrow having removable sides. Made of galvanized wire bolted to a wooden base; capacity 10 bushels. Price, Rack only, \$12; Rack and Barrow, \$22.50.



Warren Church Incinerator

Fabricated of high-quality steel $\frac{1}{8}$ inch thick. Seams are securely welded. Will outlast many of the ordinary incinerators. Height 32 in.; diam. 18 in. Raised bottom. \$6.50.



Galvanized Burner

Perforations on all sides, top and bottom, and raised on heavy metal legs. Iron drop handles. 20 in. in diameter, 28 in. high. \$6.75.



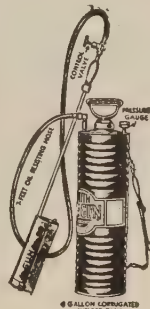
Sawco Stump Incinerator

A well-made cement composition incinerator for the home, country, or estate. Height 36 inches, diameter 18 inches. Strong steel grate. Side opening at bottom for draft and to easily remove ashes. Rustic bark finish. \$17.50.



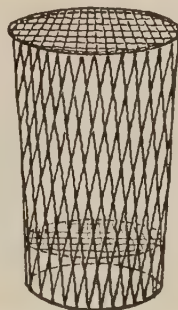
Sawco Flame Gun

For burning weeds, disinfecting poultry houses, thawing frozen pipes, melting ice and snow, splitting large rocks and boulders, burning tree stumps, sterilizing infected soil, destroying weeds in stone walls, driveways, tennis courts, destroying insect pests such as grasshoppers, locusts, caterpillars, chinch bugs, etc., spraying insecticides on plants. \$23.50.

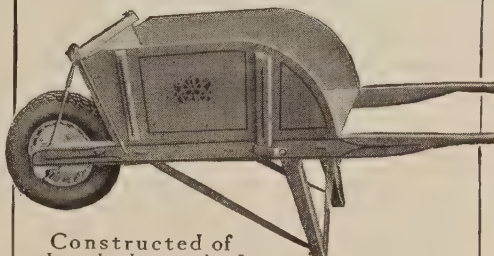


Incinerator

No. 108. 19-in. diameter at top; 15-in. diameter at bottom; 28 in. high. Welded rings are $\frac{1}{4}$ -in., galvanized. Wire mesh is No. 10 gauge galvanized, $2\frac{3}{4}$ -in. diamond mesh. Supplied with hinge cover. Weight 10 lbs. \$4.



Sawco Garden Barrow



Constructed of selected, clear-grained hardwood and finished in the natural wood, varnished, light and substantial for long service. All Barrows except No. 2 with either steel or pneumatic-tired wheels.

	Front Width	SIZE OF BOX		Rear Width	Tread
		Depth	Length		
No. 2	15 $\frac{1}{2}$ in.	9 in.	21 in.	18 in.	1 $\frac{1}{2}$ in.
No. 4	18 $\frac{1}{2}$ in.	12 in.	26 $\frac{1}{2}$ in.	23 in.	3 in.
No. 5	20 in.	12 in.	28 in.	24 in.	3 in.

With Steel Wheel: No. 2, \$8.50; No. 4, \$10.50; No. 5, \$11.50.

With Pneumatic-Tired Wheel: No. 4, \$19; No. 5, \$21.

Sawco Garden Cart



A light, sturdy cart for the lady or junior gardener. All steel. Wheel is 12 inches in diameter; hard rubber tire. Length, 5 feet; 17 $\frac{1}{2}$ inches wide at handles. Strong one-bushel oak splint basket. \$7.

Handi-Cart



Sturdily supported sheet-metal body; solid steel axle; discwheels; rubber tires. Will give years of satisfactory service. Can be used for a thousand odd jobs. Raking grass cuttings, leaves, trash, earth, sand, and gravel. Merely tip down to load, no lifting necessary. Capacity, 2 cubic feet. Length across when pushing, 28 in.; width across, 17 in.; depth in center, 14 in. \$6.50.

Cultivators, Planet Jr.



NO. 16 SINGLE WHEEL CULTIVATOR. Consists of 1 pair of 6-in. Hoes, 3 Cultivator Teeth, 1 large Garden Plow, 1 Rake 7 in. wide, 1 Rake 4 in. wide. \$10.25.

NO. 17 SINGLE WHEEL CULTIVATOR. Comprises 1 pair of 6-in. Hoes, 1 Plow and Cultivator Teeth. Sufficient for most garden work. \$8.95.

NO. 12 DOUBLE WHEEL CULTIVATOR. A Single and Double Wheel Cultivator in one. As a Double Wheel Hoe, it straddles crops until 20 inches high, cultivating both sides at once. Comprises 1 pair of 6-in. Hoes, 4 steel Cultivator Teeth, 1 pair of Plows, and 2 Leaf-lifters. \$12.95.

NO. 119 HIGH WHEEL CULTIVATOR. Single Wheel. Has a special 24-inch steel wheel. The outfit consists of one 1 $\frac{1}{2}$ -in. Cultivating Tooth, 1 4-in. Cultivating Tooth, 1 Plow, and 1 Reversible Scuffle Blade. \$4.50. Special Fertilizer Attachment No. 215 for No. 119 Planet Jr. for side dressing or drilling. \$6.95.

FIRE FLY GARDEN PLOW. It will throw a furrow 4 to 6 inches wide and 1 to 3 inches deep. Furrow may be deepened by going a second time along the row. \$4.95.

See page 125 for Planet Jr. Seeders

Dibbles or Dibbers



Just the tool for transplanting tomatoes, cabbage, celery, etc.

Brass Point, Wood Handle. The best Dibber. Self-cleaning; does not rust. \$1.50.
Steel Point, Wood Handle. Regular size, 9 $\frac{3}{4}$ in., \$1.

Asparagus Knives

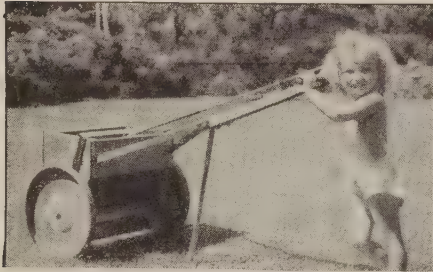


Straight Edge. 40 cts. **V-Shaped.** 45 cts.

Fill your garden flats with **SAWCOSOIL**, an ideal soil for seeds and pot-plants. **25 pounds, \$1.25**

Distributors, Edging, Fence, Flats, Forks, Etc.

Planter's Perfect Distributor



Distributes fertilizers, grass seed, and top-dressing. It has a positive shut-off control and adjusting device right on the handle to regulate the desired quantity to be sown. 24-in. width. Junior. Holds 65 lbs. \$18 50
36-in. width. Senior. Holds 100 lbs. 26 50

Sawco Midget Distributor

Sturdy little machine for small lawns; spreads fertilizer, grass seed, top-dressing, etc. Has revolving agitator and adjustment device. Shut-off is on handle. 16-in. width. Holds 20 lbs. \$3.75.



Warren-Church Spreader

Will handle fertilizer or grass seed accurately in any desired quantity. A positive agitator keeps the material flowing evenly while a convenient lever and shut-off gate regulates the quantity. Spreads 14 inches. \$7.50.

Planet Jr. Revolving Disc Edger



Trims accurately and quickly. \$1.50.



Turf Edgers

Half-Moon

Solid Welded-Steel Edging Knife. Imported English. 9-in., \$3.

Half-Moon Edging Knife. Solid steel, with a polished handle. \$1.35.



Warren-Church Steel Edging

A heavy corrugated galvanized steel edging in 12-foot lengths, staked every 3 feet with 1-foot angle steel galvanized stakes. Each length fitted together with galvanized steel pin end connections. 3 3/4 inches wide. Prices per foot: up to 48 ft., 24 cts., 48 to 240 ft., 23 cts., 240 to 480 ft., 22 cts., 480 to 960 ft., 21 cts. For bending curves, add 10 cts. per foot.

Warren-Church Cedar Fence



Made of split cedar poles spaced 3/4 inch apart. Furnished in rolls 16 ft. long. Gates to match.

Per lineal ft.	3 1/2 ft. wide Walk-Gates	10 ft. wide Double-Driveway Gates
3 ft. high.. \$0 85	\$9 75	\$24 00
4 ft. high.. 90	11 50	26 50
5 ft. high.. 1 10	13 50	30 00
6 ft. high.. 1 35	15 00	32 50

Dubois Woven Wood Fence



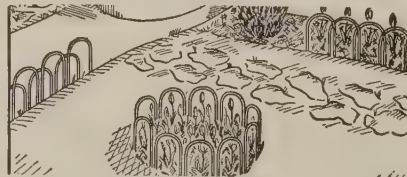
Made of split chestnut. Comes in sections 5 feet long and five heights. Gates to match.

Dubois Woven Wood Fence in a city penthouse garden	Plain Per lineal ft.	With Posts and Rails Per lineal ft.
3 ft., 10 in. high.....	\$1 50	\$1 75
4 ft., 11 in. high.....	1 85	2 15
6 ft., 6 in. high.....	2 15	2 50
8 ft. high.....	2 75	3 25
	3 ft. wide Walk-Gates	10 ft. wide Drive-Gates
3 ft., 10 in. high.....	\$19 25	\$38 50
4 ft., 11 in. high.....	21 00	41 25
6 ft., 6 in. high.....	23 25	44 00

English Type Hurdle Fencing

Made of split chestnut sections 8 feet, 3 inches long. Height of Fence when set, 4 feet. Each
4-bar Hurdles..... \$4 50
5-bar Hurdles..... 5 50

Sawco Garden Guards



U-shaped pieces of steel with two tapered prongs. Ideal for lawn fence and around various plantings. Overall height, 18 in.; width, 9 in. Made of 1/8-in. steel, painted green. \$4 per doz., \$20 per 100.

Gardenade



Combines a kneeling pad and a convenient rack for your tools. Upright handles are designed to lower and lift yourself with minimum effort. Pad made of soft sponge rubber. All metal, painted with green enamel. Also ideal for use indoors for cleaning and waxing floors. \$3.

FORKS



Spading Fork

Spading Forks. Best grade; tines spear-pointed with diamond-shaped back; handle strapped both sides. Each

4-tine, D-Handle..... \$2 50
5-tine, D-Handle..... 3 25
Manure Forks. Best grade; oval tines.
4-tine, D-Handle..... 2 50
5-tine, D-Handle..... 2 75
6-tine, D-Handle..... 3 25
Long-Handle Forks, same price.

English Type Digging Forks.

4-tine, D-Handle..... 3 50
Hay Forks. 3-tine, Long Handle..... 2 00
Boys' Spading Forks..... 1 50

Gem Hand Fork

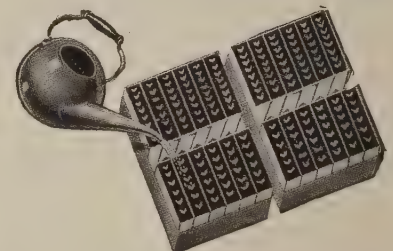


Has three steel prongs and finished handle. A handy Fork for loosening the soil, etc. 50 cts.; with 4-ft. handle, \$1.50.

Magic Cultivator

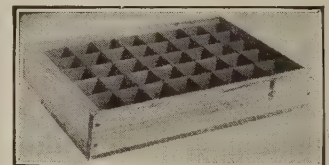
Made of round steel, galvanized, with springy temper. Enters soil very easily. A very handy tool for potted plants and home-garden use. Each
3-tine, Short Handle..... \$0 25
3-tine, 36-in. Handle..... 45
4-tine, 42-in. Handle..... 75

Dennison Seed Starter Set



A practical set for indoor seed sowing. It consists of two waterproof cardboard boxes, each 7 3/4 x 10 3/4 inches, containing 24 handy trays, each tray 1 1/4 inches wide x 4 1/2 inches long and 2 1/2 inches deep. Center canal between trays permits easy watering by sub-irrigation. Tabs furnished to label each tray. Label contains full information on the sowing and care of most seeds. Price 50 cts.

Garden Flats



Sawco Plant Flats. Made of select cypress. Set-up. Size 12 x 18 x 3 in. deep. 45 cts. each, \$4.95 per doz. Complete with 40 2-inch square paper pots. 85 cts. each, \$9.35 per doz.

Glazing Materials, Grass Hooks, Hoes, Scythes and Hose Accessories

Glazing Materials

Cel-O-Glass. Durable, flexible, and light in weight. Will not crack or break like glass. Transmits ultra-violet rays. Rolls 25 and 50 feet long and 3 feet wide. 13½ cts. per sq. ft. Less than rolls, 14½ cts. per sq. ft.

Flexoid. A rubberized compound for all joints where expansion or frost causes cracking. Ideal for swimming-pools, lily-pools, fish-pools, leaks near chimneys, cracks due to settling, etc. Apply with brush to trowel and forget there was a leak. ½ lb. 75 cts., 2 lbs. \$1.85, 8 lbs. \$6.50.

Glass, Double Thick. 50 sq. ft. to box.

10 x 12-in., 60 lights, \$6.75 per box.

10 x 14-in., 40 lights, \$7.25 per box.

Liquid Putty, Sawco. For cementing cracks or seams in roof-joints and frames of greenhouses, sash, etc. Gal. \$3, 5 gals. \$14.

Sawco Glazing Gun. Trigger type. For applying glazing compounds. \$5.50.

Putty Bulb, Sawco. For applying liquid putty. \$1.50.

Glazing Points, Van Reyper's. For single- and double-thick glass. 75 cts. per 1000, \$3.25 for 5000. Pliers 75 cts.

Zinc City Glazing Points. In ⅝, ¾, and ⅞ in. 1-lb. box 60 cts.

Glass Cutter. 25 cts.

Putty Knife. 35 cts.

Summer Cloud. A green shading. Mix with water and apply with syringe or sprayer. 8-oz. tin \$1.

Green Shading. Protects plants from heat of sun. Brush or sprinkle on. Lasts about six months. Gal. \$3, 5 gals. \$13.75.

Greenhouse Aluminum Paint. Moisture-resistant, gives greater light-reflection. Gal. \$5.

Greenhouse White Paint. Full-bodied, long-life White Paint that withstands cold, heat, and humidity. Gal. \$4.25.



Grape Bags

Opaque. \$1.50 per 100, \$7.50 per 1000.

Glassine. \$3 per 100, \$25 per 1000.

Cycle Steel-Frame Grindstone

The stone is 19 inches in diameter and 2 inches thick. Weighs about 85 pounds. \$16.50.



Narrow Nursery Hoe

Extremely narrow Hoe designed for use in closely planted areas. \$1.25.

Norcross Cultivator Hoe

They destroy weeds, leave the soil level, loose, and untrampled. **Long-Handle, Single-Prong,** 85 cts.; **3-prong,** \$1; **5-prong,** \$1.50. **Short-Handle, Midget 3-prong,** 60 cts.

Handy Hoe

Narrowest Hoe made. Blade is ¾ in. wide, 4 in. long. Handle 4 ft. 85 cts.

Draw or Garden Hoe

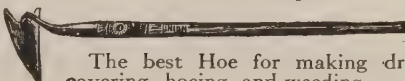
Sizes for boys, ladies, and men.
Each
6-in. \$1 35 | 7-in. \$1 50

Wonder Cultivator



An amazing garden tool. It hoes, spades, drills, cultivates, weeds and edges lawns. Also very useful for doing many jobs in the garden. \$2.25.

Warren or Heart-shaped Hoe

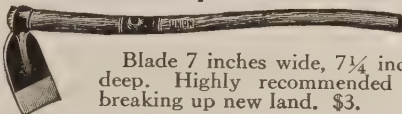


The best Hoe for making drills, covering, hoeing, and weeding. Each
4-ft. Handle, 7-in. blade \$1 50
Midget, short handle, 4½-in. blade ... 85

"Speedy" Cultivator Hoe

The prongs get right down to work, loosening soil and breaking crust. Ideal weeder. 3-prong, \$1.25; 4-prong, \$1.50.

Grape Hoe



Blade 7 inches wide, 7¼ inches deep. Highly recommended for breaking up new land. \$3.

Square-Top Hoe



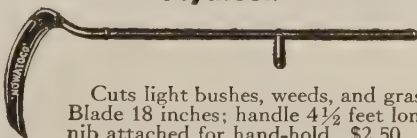
Will penetrate an inch or so, cutting off young weeds and forming light mulch to conserve moisture. \$1.25.



A. Earle Special Bush Hook. Ideal for heavy work. \$3.50.

B. Little Giant Bush Hook. A combination Bush Hook and Axe. Heavy-duty tool for exceptionally heavy work. \$4.

Scythook



Cuts light bushes, weeds, and grass. Blade 18 inches; handle 4½ feet long, nib attached for hand-hold. \$2.50.

Grass Hooks



Warren-Church. Good quality. 75 cts.
Imported English. Heavy riveted back, thin cutting blade. Medium, \$2.50; Large, \$2.75.
Sawco. Blade forged from razor steel, hollow ground. 1-in. offset. \$1.50. Also can be furnished for left-handed use at same price.
Grass Shaver. Uses any double-edge razor blades. Price complete, with Blades, \$1.25.

Berry or Thinning Hook

For thinning out berry bushes and shrubbery. Fine for sprouts and suckers. \$1.65.



Bush Scythe. Slightly heavier and shorter than a grass hook; 18 inches long. Especially used for heavy growth where ordinary scythe is not practical. \$2.75.



Imported English Scythe. Has a riveted back and broad, thin, light blade. Best Scythe for cutting grass, rye, oats, etc.

32-in. Medium \$4 50
36-in. Large 5 00

Domestic Scythe. Cutlery steel, natural oil finish, cutting edge, web and backs polished.

32-in. Medium ... \$3 00
36-in. Large 3 50

Scythe Snath or Handle. The very best, with patent socket \$3.

No. 26 Perfect Weed Cutter

Handy tool for cutting weeds or grass. The design of bow permits use of blade at angle, parallel to ground. Serrated double edge blade 14 x 2½ in. Length 38 in. \$1.50.

No. 26

No. 29 Grass Cutter

Has 9-inch special serrated double-edge blade. Overall length, 38 in. \$1.

Scythe Stones



Scythe Stones, Genuine English. Round, tapering. 60 cts.

Sawco. 35 cts. each, \$3.50 per doz.

Scythe Rifles, Emery-coated. 35 cts. each, \$3.85 per doz.

Hose Accessories

Siamese Hose Attachment. Permits use of two leads of hose at one time. ¾-in., \$1.50.

Hose Clamps or Bands. ½-in. and ¾-in. sizes, 15 cts. each, \$1.50 per doz.

Regular Hose Couplings. Easily applied. ½-in. and ¾-in., 35 cts. each, \$3.50 per doz.

Perfect Clincher Hose Coupler. Self-fastening Coupling that does not require extra bands, bolts, or wire. ½-in. and ¾-in., 35 cts. each, \$3.50 per doz.

Snaptite Coupling. A spring-snap Coupling. Can be used on faucet or between lengths of hose. 65 cts. each, \$7.75 per doz.

Perfect Clincher Hose Mender. ½-in. and ¾-in. sizes, 20 cts. each, \$2 per doz.

Hose Shutoff. Brass. Used between lengths or on end of hose. ¾-in., \$1.50.

Gooseneck Swivel. Prevents kinking; turns all ways. 85 cts.

Hose Washers. For ¾-in. hose. 10 cts. per doz.

EMERALD FERTILIZER

GROWS GOOD GRASS. For new lawns dig under 50 pounds per 1000 square feet, top-dress existing lawns at half this rate. 100-lb. bag \$5 . . . See Plant Food Section.

Gloves, Hose Reels, Paper, Hose, Nozzles, and Knives

Garden Line

Best Braided Hemp. 100 ft., one length, \$2; 200 ft., one length, \$3.50.

Malleable Iron Reels for above.

No. 1. Holds 300 ft. \$2.50.
No. 2. Holds 600 ft. \$3.



Gloves

Horsehide Garden Glove. For general garden or household use. Sizes 7, 8, 9, and 10. \$2.50 per pair, with Gauntlet; \$2.00, without Gauntlet.



Ezy-Wear Garden Glove. Economical, dirt-proof, soft as kid. Washable. Sizes 6, 7, 8, 9, and 10. 75 cts. per pair.



Evertite Hose Coupling

No threads. No leaks. No kinks.

Instantly applied. Simple, durable, and tight. Can be used on faucet, also between lengths of hose and on lawn sprinklers. Washers countersunk so they won't come out. 60 cts. each, \$6.50 per doz.

Goldsmith Hose Rack

A hose-preserver, since the hose hangs on the rack in large, natural coils, thus preventing kinking and twisting. \$1.75.



All-Iron Hose Reel

No. 10. 21-in. Wheel, holds 100 feet $\frac{3}{4}$ -in. Hose. \$6.75.

No. 20. 24-in. Wheel, holds 150 feet $\frac{3}{4}$ -in. Hose. \$7.50.

No. 25. Not illustrated. 7 $\frac{1}{2}$ -in. hard rubber-tired wheels. Tubular steel frame. Holds 150 ft. of $\frac{3}{4}$ -in. Hose. \$6.

No. 30. 30-in. Wheel, holds 500 feet $\frac{3}{4}$ -in. Hose. \$13.50.

Paper

Wax, White or Green. 18 x 24 in., ream. \$3 00
24 x 36 in., ream. 4 75

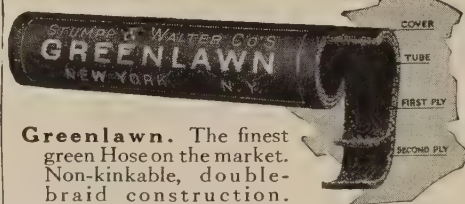
Tissue, White. 24 x 36 in., ream. 4 00

Manila. 24 x 36 in., ream. 4 00

Wrapping Paper, Kraft, in rolls. Per roll
30-in. (approximately 45 lbs.) \$9 50
36-in. (approximately 54 lbs.) 10 50

Crêpe Paper, Green, Waterproof. 1 00

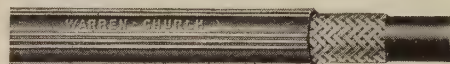
HOSE



Greenlawn. The finest green Hose on the market. Non-kinkable, double-braid construction. Smooth cover. Inner tube and outside cover made of the finest rubber obtainable. Pure gum rubber used between the braids. $\frac{3}{4}$ -in. bore, 25 ft. \$6.50, 50 ft. \$12, 100 ft. \$22.50.



Wayahead. Surpasses all the cheaper grades of Hose. A two-braid Hose with a smooth black cover. $\frac{3}{4}$ -in. bore, 25 ft. \$5, 50 ft. \$9, 100 ft. \$16.



Warren-Church Garden Hose. The reinforcement consists of one double-braid super-twist cord with raised corditions. Highest quality rubber used in tube and cover. A light-weight hose of great strength. Chocolate-brown in color. $\frac{5}{8}$ -in. bore. 25 ft. \$4.25, 50 ft. \$8, 100 ft. \$14.

Spray Hose. High pressure. Good quality. $\frac{3}{8}$ or $\frac{1}{2}$ in. Maximum pressure 300 lbs., 25 cts. per ft. Maximum pressure 500 lbs., 35 cts. per ft. Extra for fittings.

Hose Holders

Sykes Hose Holder. Made of twisted wire. Rust-resistant. Fits $\frac{1}{2}$ -, $\frac{5}{8}$ -, and $\frac{3}{4}$ -in. hose. 35 cts.

Hose Nozzles



Justrite. Gives a copious spray or full stream. 75 cts.

Water Gun. Adjustable from fine to full stream. Comes with brass spike for setting in ground as sprinkler. No leakage or drips. \$2.

Flaring Rose Hose Sprinkler

Ejects a fan-like gentle spray. For watering seedings and newly planted grass-plots. Stamped brass, 75 cts. each; cast brass, with shutoff, \$1.25.



Aquamatic Nozzle



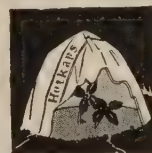
Gives solid stream or spray. A positive quick shutoff. No leaks or drips. Made of cast brass. Finished with 3-in. brass rose. \$3.50.

Florist Nozzle. Cast brass; 4 inches round. $\frac{3}{4}$ -in. Delivers a fine rain. \$2.50.

Stott's. Gives a very fine mist spray. Splendid for reaching under foliage to exterminate red spider. Single, \$2; double, \$3.50.

Hotkaps

Made of special wax paper, tent-like in shape, 11 inches in diameter at base. Protects plants from frost, retains moisture in soil, and brings crops into earlier maturity.

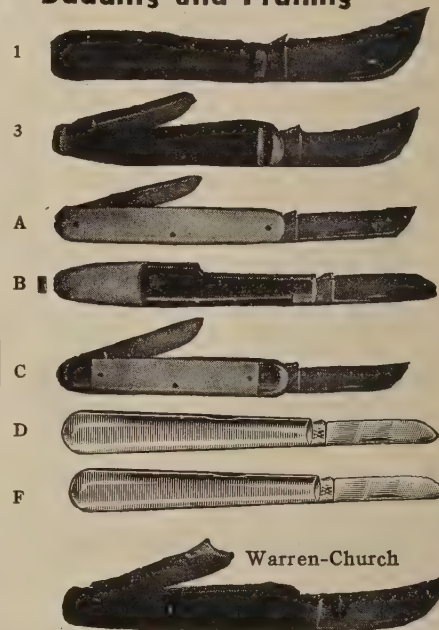


Pkg. of 100, with setter and tamper, \$3.

Pkg. of 1000, with setter and tamper, \$12.65.

KNIVES

Budding and Pruning



No. 1. Strong Pruning Blade; Cocoa Each Handle. \$1 50

No. 3. Pruning and Budding Blades; Patent Stag Handle. 2 75

No. A. Two Blades; White Handle. 2 50

No. B. Budding Blade with Ivory Budder; Smooth Black Handle. 2 50

No. C. Two strong Budding Blades; White Handle. 2 00

No. D. Aluminum Handle Budding Knife. Imported. One Blade. 3 00

No. F. Genuine All-Ivory Handle Budding Knife. Imported. One Blade. 6 00

Warren-Church Budder and Pruner. Two Blades; Black Handle; Brass lined. Highest quality. 2 50

EQUIP YOUR GARDEN with Japanese Beetle Traps. Each will capture more than a quart a day during the season of infestation. Price, with bait, \$1.85

Power Lawn Mowers, Hand Mowers and Trimmers

Lawn Queen Power Mower

A quality-built Mower for fast, clean cutting of moderate-sized lawns. A sturdy machine that will give many years of fine low-cost performance. Any member of the family can operate it. 20-inch cutting width. Has steel 5-blade reel, easily adjusted to cut as low as $\frac{1}{2}$ inch and as high as $1\frac{1}{2}$ inches. Hard rubber-tired wheels. $\frac{3}{4}$ h.p. engine delivers smooth, steady power. Roller-bearing wheels. \$98.50. Grass Catcher, \$2.50 extra.



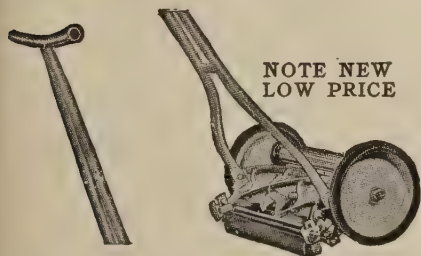
Lawn King Power Mower

Ideal for suburban homes, small parks, cemeteries, and estates. Its light weight and compactness permit easy operation around trees, hillsides, or terraces. Cutting width, 24 inches. 1 h.p. gasoline engine. Cut-



ting unit, 5-blade chrome nickel steel. Cutting height as low as $\frac{1}{2}$ inch and as high as $2\frac{1}{4}$ inches. Pneumatic traction wheels 11 x 3.50. Weight 155 lbs. \$220. Grass Catcher, \$5 extra.

Clemson Precision Mower



NOTE NEW
LOW PRICE

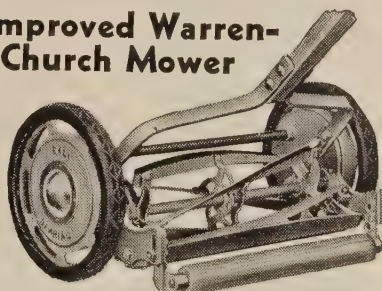
Light in weight; all parts die-cast alloy metal; welded steel handle; metal grip. Beautifully finished in canary-yellow enamel. Net weight, 32 lbs. Full 17-in. cut, \$26.95. Grass Catcher, \$2.75 extra.

Sawco All-Steel Lawn Mower



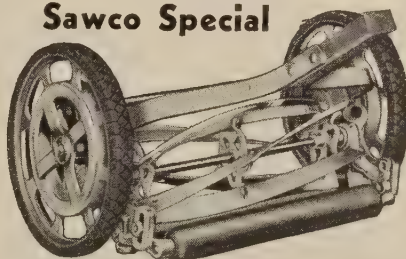
Made of cast steel. Unbreakable; will last a lifetime. Hard rubber tires. Five blades, 16-in. cut, \$20; 18-in. cut, \$21.50.

Improved Warren-Church Mower



An honestly built low-price Mower with hard rubber tires permanently installed into the grooves of the wheels. 5 blades of high-quality steel. 16-in. cut, \$14.75. Grass Catcher, \$2.25 extra.

Sawco Special



A good value. Hard rubber tires. 5 blades. 16-in. cut, \$11.95. Grass Catcher, \$2.25 extra.

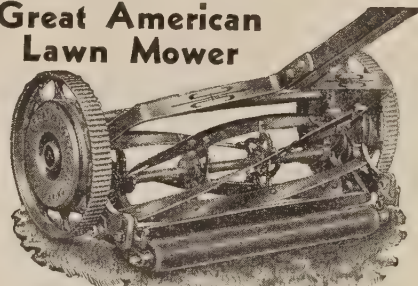
Easy Border Mower



Overlaps the lawn and mows clear to the edge.

Cuts closer to borders, walks, walls, and flower-beds than any Mower made. 4 revolving blades; crucible steel knives; hollow steel drum; full width support. 12 in., \$25.

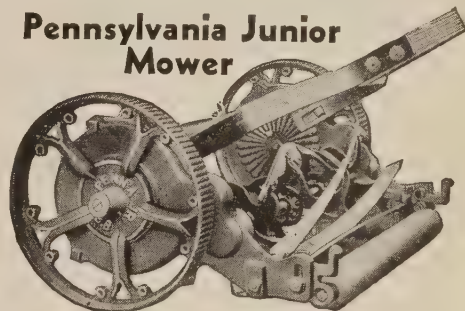
Great American Lawn Mower



Reliable heavy-duty machine.

	Price 5 blades	Grass Catcher
15-in.....	\$18 95	\$2 25
17-in.....	20 25	2 75
19-in.....	21 45	2 75

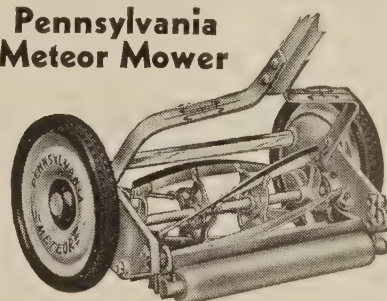
Pennsylvania Junior Mower



Particularly adapted for the cutting of trees and approaches. 5 blades.

Size		Grass Catcher
15-in. cut.....	\$24 75	\$2 25
17-in. cut.....	26 95	2 75
19-in. cut.....	28 85	2 75
21-in. cut.....	30 75	2 75

Pennsylvania Meteor Mower

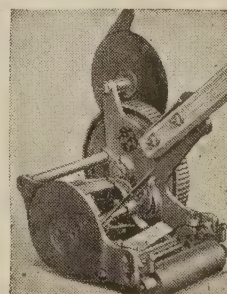


Built of aluminum—quiet and fast. Pushes easily. Very light weight and precision built throughout. Five high-carbon steel blades. Ball bearings. 10-inch wheels. Hard rubber tires.

16-in. cut. Weight 35 lbs.....	\$20 95
19-in. cut. Weight 38 lbs.....	23 95

Pennsylvania Lawn Trimmer and Edger

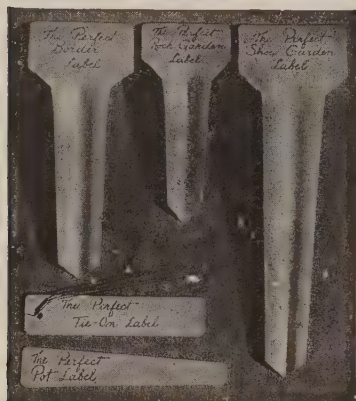
Equipped with steel disc and small plow. Width of cut $5\frac{1}{2}$ inches. Can mow close up to trees, walls, paths, and flower-beds. \$11.85.



Labels, Mats, Plant-Stands, Watering Pots, Etc.

LABELS

Perfect Garden Labels



Lead-pencil markings on this Label are permanent without any protection, in all weathers. Markings can be erased with pencil eraser and marked again.

Rock-Garden. Face, $1\frac{3}{4} \times \frac{7}{8}$ inches; length, 4 inches. 90 cts. per doz., \$1.75 for 25, \$6.75 per 100.

Border. Face, 2×1 inches; length, 5 inches. \$1 per doz., \$2 for 25, \$7.75 per 100.

Tie-On (with copper wire). Face, $3\frac{1}{2} \times \frac{3}{4}$ inches. 50 cts. per doz., \$1 for 25, \$3 per 100.

Show Garden. Face, $2 \times 1\frac{1}{4}$ inches; length, 7 inches. \$1.25 per doz., \$2.50 for 25, \$9.50 per 100.

Pot, Tapering. Face, $4 \times \frac{3}{4}$ inches. 35 cts. per doz., 70 cts. for 25, \$2.50 per 100.

Pot or Garden Labels

Wooden, Painted.	100	1000
4-in.	\$0 45	\$2 50
5-in.	55	2 75
6-in.	65	3 00
8 x $\frac{7}{8}$ -in.	1 00	6 00
10 x $\frac{7}{8}$ -in.	1 50	7 25
12 x $1\frac{1}{8}$ -in.	1 60	10 50

Copper-wired. $3\frac{1}{2}$ -in. Painted 50 3 75

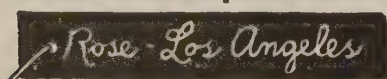
Label Pencils. To write on wood labels. 15 cts. each, \$1.65 per doz.

Indelible Ink. Bottle 50 cts.

X-L-All Pencil. (Imported.) 35 cts. each.

Sawco Label Tape. (Transparent.) For protecting pencil-writing on wood labels. Improves visibility. Climatic conditions will not hinder same. Roll contains 36 yards. $\frac{1}{2}$ -in. for $3\frac{1}{2}$ -, 4-, 5-, and 6-in. labels, 75 cts. per roll; $\frac{3}{4}$ -in. for 8-, 10- and 12-in. labels, \$1 per roll.

Green Weatherproof Labels



Tie-On. Green Labels easily marked with a sharp-pointed steel stylus which cuts through to the white base. Prices include Copper Wires and Steel Stylus for marking.

	Doz.	100
No. 31. 3 x $\frac{1}{2}$ -in.	\$0 40	\$2 50
No. 32. 4 x $\frac{3}{4}$ -in.	60	4 00

Rock-Garden. Same as above. For use where the wired or stake type of Label is not appropriate. Doz. 100

	Doz.	100
No. 51. 4 x $\frac{5}{8}$ -in.	\$0 45	\$3 00
No. 52. 5 x $\frac{3}{4}$ -in.	70	4 50



Hotbed Mats

No. 1. 40×76 in. Burlap both sides. \$3 each, \$30 per doz.

No. 2. 76×76 in. Burlap both sides. \$4.50 each, \$45 per doz.

No. 3. 40×76 in. Burlap one side, waterproof duck on the other. \$4 each, \$40 per doz.

No. 4. 76×76 in. Burlap and waterproof duck. \$6 each, \$60 per doz.

Mattocks



Cutter Mattocks. 6 lbs. Tempered tool steel. Polished edges. With handle, \$2.50.

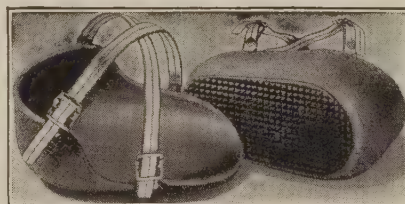


Pick Mattocks. 6 lbs. Tempered tool steel. Polished ends. With handle, \$2.25.

Bird Netting

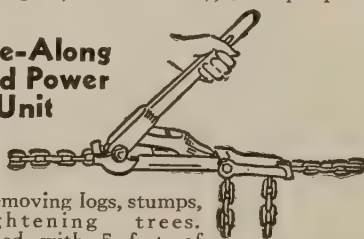
For the protection of strawberry beds and fruit trees against birds. 1-in. mesh only, in 20- and 30-ft. widths. \$2 per 100 sq. ft.

Kumfort Knee Pads

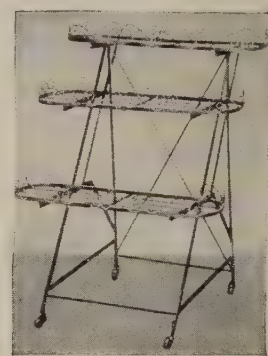


A comfort-giving knee-cushion with adjustable straps. Fits any knee; will not slip down when walking. Prevents moisture from penetrating the clothes and provides added life to work clothes. \$1.75 per pair. Ladies Lightweight (not illustrated), \$1.25 per pair.

Come-Along Hand Power Unit



For removing logs, stumps, straightening trees. Equipped with 5 feet of $\frac{3}{8}$ -inch strong chain. Tested to 6000 pounds. Length of travel 47 inches. Weight 18 pounds. \$12.50. Extra chain, 75 cts. per foot.



Plant-Stands

Made of fabricated steel. Castor wheels. Ideal for house plants.

Two-Step. $7\frac{1}{2} \times 30$ in. \$7 50

Three-Step. $7\frac{1}{2} \times 30$ in. 9 50

Perfect Fruit-Picker



Made of steel wire, heavily galvanized. Prevents bruising of fruit. Can be attached to any pole. 75 cts.



Fruit Picking Bag

Made from heavy-grade duck. Adjustable shoulder straps. Steel band keeps bag open. Bag empties from the bottom by simply releasing rope from hook. \$3.



Watering Pots

French Oval Pattern. Furnished with 2 Roses.

6-qt.	\$7 75	12-qt.	\$9 50
8-qt.	8 25	16-qt.	11 50
10-qt.	9 00	Extra Roses...	1 00

Haw's Pattern. Imported. Furnished with 2 Roses.

4-qt.	\$8 00	8-qt.	\$9 50
6-qt.	8 50	Extra Roses...	2 50

Round Pattern. Furnished with 2 Roses.

6-qt.	\$7 50	12-qt.	\$9 00
8-qt.	8 00	16-qt.	10 50
10-qt.	8 50	Extra Roses...	1 00

Warren-Church. Light weight. Round; galvanized. Short spout. Single Brass Rose.

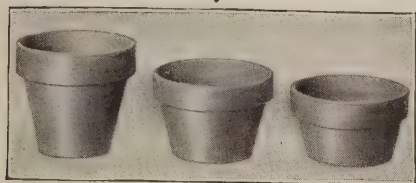
6-qt.	\$1 75	10-qt.	\$2 50
8-qt.	2 00	12-qt.	3 00

Ladies' Enameled. In three colors, green, red or ivory. Handy for watering plants indoors. Single Rose, 2-qt. only, \$1.75.

SAWCOSOIL is an excellent potting medium; use it in window-boxes also. 100 lbs. \$3

Pots, Pans, Pot Brackets, Saucers and Rakes

Flower Pots, Standard



Flower Azalea Bulb

EARTHENWARE. Best on the market.

Diam. at top	Each	Doz.	100	1000
2 in.....		\$0 30	\$1 75	\$15 00
2½ in.....		35	2 00	17 50
3 in.....		45	2 75	22 50
4 in.....	\$0 10	75	4 00	32 50
5 in.....	15	1 10	7 00	57 50
6 in.....	20	1 60	10 00	85 00
7 in.....	30	2 60	16 00	135 00
8 in.....	40	3 20	20 00	190 00

Saucers for Above

Diam. at top	Each	Doz.	100
4 in.....	\$0 05	\$0 50	\$3 50
5 in.....	05	55	4 00
6 in.....	10	90	6 50
7 in.....	10	1 10	8 50
8 in.....	15	1 60	12 00
9 in.....	20	2 00	16 00

Flower-Pot Saucers

FIBREWARE. Waterproof

Order Saucer 2 inches larger than the bottom diameter of pot.

Diam.	Each	Doz.	Diam.	Each	Doz.
Inside			Inside		
4½ in..	\$0 60	\$6 50	10¼ in..	\$1 10	\$12 00
5½ in..	70	7 50	12½ in..	1 50	16 50
7¼ in..	80	8 75	14½ in..	2 00	22 00
8½ in..	1 00	11 00	16 in..	2 35	25 50

Green Rubber Saucers

Ridge in center permits free flow of water from bottom of pot. Absorbent pad in center releases water to plant when needed.

Diam. at bottom	Takes pot	Each	Doz.
1. 4 in.	Up to 6 in.....	\$0 25	\$2 50
2. 6 in.	Up to 8 in.....	45	4 50
3. 8¼ in.	Up to 12 in.....	90	9 00
4. 10¼ in.	Tubs up to 10¼ in. bottom diameter.....	1 35	13 50

Earthenware Bulb Pans

Diam. at top	Each	Doz.	100
6 in.....	\$0 20	\$2 00	\$12 00
7 in.....	25	2 50	17 50
8 in.....	35	3 50	25 00
9 in.....	55	5 50	40 00
10 in.....	75	7 50	50 00
12 in.....	1 35	13 50	100 00

Square Earthenware Pans

Size	Each	Doz.
8 x 8 in.....	\$1 25	\$13 75
12 x 12 in.....	1 75	19 25

Earthenware Azalea Pots

Resemble bulb pans, but deeper.

Diam. at top	Each	Doz.	100
6 in.....	\$0 20	\$2 00	\$12 00
7 in.....	25	2 50	17 50
8 in.....	35	3 50	25 00
9 in.....	55	5 50	40 00
10 in.....	75	7 50	50 00

Paper Flower Pots, Neponset

Very economical; waterproof; can be nested closely for shipping.

Diam.	Doz.	100	1000
2¼ in.....	\$0 20	\$0 80	\$4 50
2½ in.....	25	85	4 75
3 in.....	30	1 00	6 00
4 in.....	50	1 60	9 50
6 in.....	85	2 85	17 00

Square Paper Pots

Made of specially treated Kraft board. Eliminates waste. Come knocked down. 2-in., \$1.25 per 100, \$12.50 per 1000.

Watermat



They are for standing flower pots on. A compressed organic fibre takes up water by capillary action. Complete with rust-proof saucer. Small (fits 4- and 5-in. pots), 35 cts. Medium (fits 5- and 6-in. pots), 40 cts. Large (fits 7- and 8-in. pots), 50 cts. Extra Large (fits 10- and 12-in. pots), \$1.25.



Flower-Pot Brackets

Very strong and durable. Can be attached to side of window and swung away or toward sun, as desired.

- No. 1. Arm, 7 in., holds 5-in. pot....\$1 25
No. 2. Arm, 8 in., holds 6-in. pot.... 1 50
No. 3. Arm, 10 in., holds 7-in. pot.... 1 75



Rakes

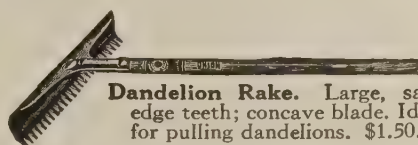
Sawco Lawn Cultivator Rake

Consists of a heavy, solid head, carrying 13 curved, sharp-pointed and sharp-edged teeth. The Cultivator Rake tears out clover or crab-grass and roughens the turf to prepare it for reseedling. With handle, \$2.75.

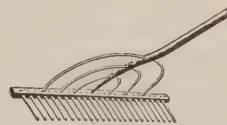


Lawncomb

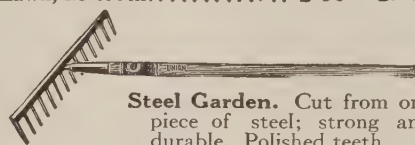
The flexible, springy teeth make it very desirable for cleaning around plants, vines, shrubbery, and flower-beds. Also for cleaning gravel paths; it removes leaves and other refuse without disturbing the gravel or crushed stone. 18-in., \$1.35; 24-in., \$1.75.



Dandelion Rake. Large, saw-edge teeth; concave blade. Ideal for pulling dandelions. \$1.50.

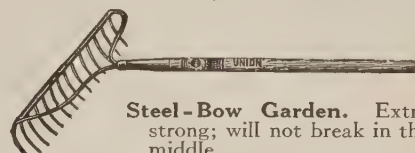


Wood Hay and Lawn Rake. Made especially with an extra-heavy head for double service. Each Doz.
Hay, 14-tooth.....\$1 75 \$19 25
Lawn, 28-tooth..... 2 50 27 50



Steel Garden. Cut from one piece of steel; strong and durable. Polished teeth.

10-tooth....\$1 20	14-tooth.....\$1 35
12-tooth.... 1 25	16-tooth..... 1 45



Steel-Bow Garden. Extra strong; will not break in the middle.

12-tooth....\$1 35	16-tooth.....\$1 65
14-tooth.... 1 45	

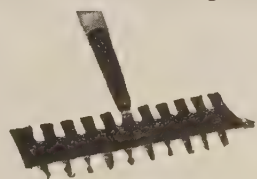


Bamboo Rake

Fitted with polished wooden handle. Cleans the turf as gently as the human hand. Best quality. Reinforced. Each Doz.

Small. 18 in. wide.....	\$0 75	\$8 25
Medium. 24 in. wide.....	1 20	13 20
Large. 30 in. wide.....	1 85	20 25

Sawco Renovating Rake



An ideal hand tool for preparing a lawn for seeding. Backward and forward motion thoroughly loosens top layer of soil. \$1.75.

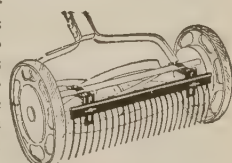
Woman's Garden Tool Set



Practical—not toys. Four-piece set \$4.50. Individual tools, \$1.50 each. Gift set in stainless steel; polished handles, \$15. Individual tools, \$5 each.

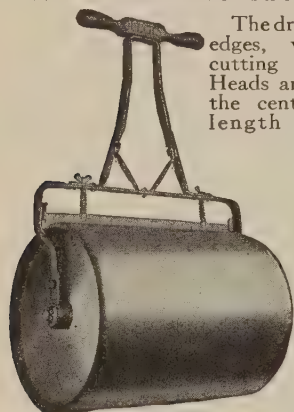
Crab Grass Eliminator Rake

Fits any mower from 15 to 19 inches wide. Lifts the Crab Grass and Seed Spikes from the ground so the mower can slice them off. Attaches very easily to mower, \$2.



ROLLERS, SEEDERS, SASH, FRAMES, AND SAWS

Water-Ballast Lawn Roller



The drum has rounded edges, which prevent cutting of the sod. Heads are held through the center by a full-length axle firmly fastened by double steel lock nuts and washers. Can be filled with water or sand.

A Water-Ballast Roller makes a good lawn

No.	Diam.	Length	Weight empty	Filled with Water	Price
A	14 in.	15 in.	50 lbs.	115 lbs.	\$10 50
B	14 in.	24 in.	70 lbs.	175 lbs.	11 50
C	18 in.	24 in.	85 lbs.	265 lbs.	14 25
D	24 in.	24 in.	110 lbs.	420 lbs.	19 75
E	24 in.	32 in.	130 lbs.	565 lbs.	22 50

Cast-Iron Hand Lawn Rollers



Roller is made smooth, with outer edges rounded. Will not injure grass when turning.

No.	Sections	Diam.	Length	Weight	Price
1	2	15 in.	15 in.	150 lbs.	\$19 50
7	2	20 in.	24 in.	300 lbs.	32 50
13	3	28 in.	24 in.	500 lbs.	55 00



Midget Spike Roller

For the small or medium-sized lawn. Steel Tray can be weighted with stone or bag of sand. Roller 13 in. wide; Spikes 1½ in. long. \$9.75.



Cyclone Seeders

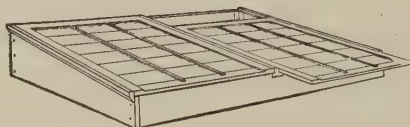
Sows perfectly even all varieties of farm seeds such as clover, timothy, red-top, alfalfa, rye, millet, wheat, etc. Can be regulated to sow any amount per acre. The bag holds about ½ bus. \$3.75

Sowrite Seed Sower

Sows Seeds at a Touch

It scatters seeds individually and prevents crowding and choking of the seedlings when coming up. For fine seeds, 50 cts.; for larger seeds, 50 cts.

Hotbed Sash and Frames—Glass



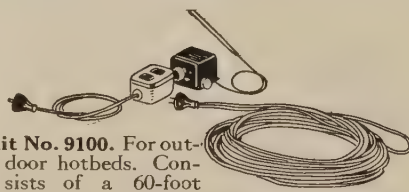
Single Light Sash. Standard size, 3 x 6 ft. Made of cypress. \$7.75 each, \$85 per doz.

Standard Hotbed Frames. Made of high-quality, selected cypress, free from knots. Back depth of Frame 16 in.; front depth 8 in.

	Dimensions feet	Sashes held only	Frame only	Frame and Sash
No. 1.	3 x 6	1	\$11 00	\$18 75
No. 2.	6 x 6	2	13 00	28 50
No. 3.	9 x 6	3	16 00	39 25
No. 4.	12 x 6	4	18 00	49 00
No. 5.	15 x 6	5	21 00	59 75
No. 6.	18 x 6	6	25 00	67 50

Cel-O-Glass Junior Coldframe. Ideal for starting early flowers and vegetables. Size 3 x 3 ft. Sides and Sash made of air-dried cypress, painted green. Sash covered with Cel-O-Glass. Unbreakable, flexible. \$5.

Electric Soil-Heating Unit



Kit No. 9100. For outdoor hotbeds. Consists of a 60-foot length of cable and a control panel on which the thermostat and fused switch-box are mounted. Control panel has sufficient capacity to handle up to eight 60-foot lengths of cable. Instructions with each Kit. \$23.50.

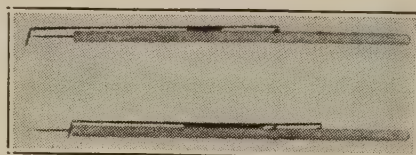
Kit No. L317. Consists of an electric lead-covered cable 20 feet long with plug. Has capacity to heat one 3 by 6-foot frame or 18 square feet. Can be used without thermostat. The current is turned on whenever heat is needed. \$7.50.

Kit No. 9111. Same as No. L317 but includes a General Electric Thermostat which automatically turns current on and off as required. \$20.

Extra cable for above units—raw ends. 20 cts. per ft.

Extra Plug ends for cable, \$1.50 per pair.

Sanipic



Does efficient work in eliminating all paper and rubbish from lawns, parks, beaches, cemeteries, and golf links. Measures 35 inches long. Pressure of finger discharges waste. 85 cts.

Saws



California Curved. Has a very narrow blade with rip teeth. Blade tapers from ¼ inch wide at point to 1½ inches wide at butt. 14-in., \$2.50.



Paragon. The convex edge is toothed for fine cutting, and the opposite edge for coarse work. Blade 2½ inches wide at handle, and 1 inch at point. 16-in., \$2.50; 20-in., \$2.75.



Sawco. Fitted with new-style Davey handle. 20-in., \$3.25; 26-in., \$4.50.



Tuttle Tooth. Has extra-sharp teeth that hold their edge longer. 20-in., \$3.50; 24-in., \$4.



Duplex. Toothed on one edge with lightning teeth for extra-heavy, coarse work, and fine teeth on opposite edge for finer cutting. 18-in., \$2.50; 22-in., \$2.75.



Forester. Blade is very stiff and will not bind; tapers from 1¼ inches wide at point to 3¼ inches wide at butt. Extra-large teeth, filed and set. 26-in., \$3.50.



Warren-Church Pole. Blade adjustable to cut at any angle. Casting is hollowed and bored for slipping onto a pole of any desired length. A hook on this casting for dislodging cut limbs. Pole not furnished. 16-in., \$3.50.

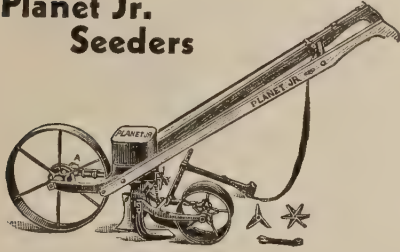


Orchard Pruning Hook and Saw. Recommended for both pruning and sawing. Length of blade, 9½ inches. Without pole, \$4.

POLES. For Pole Pruners. Made of selected seasoned wood. 10-ft., \$1.75; 14-ft., \$3, 16-ft., \$4.

Seeders, Shears, Traps, Tubes, and Pruners

Planet Jr. Seeders



NO. 3 SEEDER. For onion-growers and market gardeners. Sows accurately in a narrow line, making wheel-hoe cultivation easy. Holds 3 quarts of seed. \$19.75.

NO. 25 COMBINED SEEDER AND CULTIVATOR. Single Wheel. Seed-box holds $2\frac{1}{2}$ quarts of seed. Combination includes 1 pair of 6-in. Hoes, 4 Cultivator Teeth, 1 pair of Plows for hilling against the rows, 2 Leaf-guards, and 1 Marker, \$25.50.

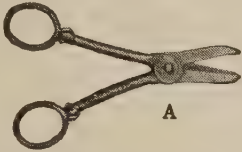
See page 117 for Planet Jr. Cultivators

Shears



A. Grape-thinning Scissors. 7 in. long. \$3.

B. Sawco Nickel-plated Flower-gathering Shears. Grasps flower when stem is cut. High-grade steel. 7 in. long. \$2.75.



A. Garden Club Flower - Gathering Shears. Nickel-plated. Made to hold within its grasp stem of cut-flower. \$1.75.

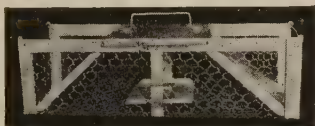


A. Warren-Church Grass Shears. Up-and-down action handle with 5-in. blades. \$2.50.



Sawco-Snips. The scissors-like Grass Shears. Practical for trimming edges and borders of lawns, flower-beds, etc. \$1.75.

Havahart Animal Trap

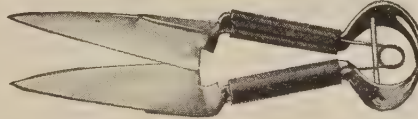


Made of steel and screened wire. Very easy to set. Harmless to animals and humans. 7 x 7 x 24 in. (for Muskrats, Mink, Rats, Chipmunks, Weasels, Squirrels, Rabbits) \$4. 11 x 11 x 36 in. (for Woodchuck, Raccoon, Opossum, Cats, \$8.75.

Grass Shears



Sawco Imported. $6\frac{1}{2}$ -in., \$3.50.



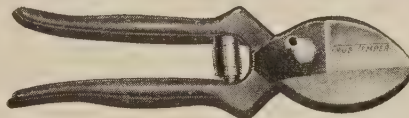
Domestic. $6\frac{1}{2}$ -in., \$1.75.

Pruning Shears



Sawco Solid Steel. Crucible tool-steel, tempered and fully polished. Strong and durable. A ratchet nut keeps the Shears properly tightened; will not break; excellent finish. Made in three sizes. 8-in., \$3.50; 9-in., \$3.75; 10-in., \$4.

Warren-Church Pruning Shears



Alligator pattern; drawcut action; length, $8\frac{1}{2}$ inches. Made of fine cutlery steel. \$1.75.



Snapcut. The only lightweight Pruning Shears with genuine draw-cuts—cuts cleaner and quicker. \$2.50; ladies' size, \$2.



Ladies' Chrome. Light, practical, handy to use on roses and shrubbery. 7-in., \$2.50.



All-Steel Tree Pruner

Strictly high-class Pruner in every detail. Light, powerful, and practical; cuts $1\frac{1}{2}$ -inch limbs with ease. 20-in., \$3; 28-in., \$4.

Celery-bleaching Tubes

The Handler is placed around the celery plant, the tube is slipped in place and the Handler removed.

Doz. 100 500
13 in. high. \$0 60 \$4 00 \$17 00
14 in. high. 75 4 50 18 50

Handlers for use in placing tubes: Brass, \$3; Tin, \$1.



Compound-Lever Pruner

Calculated for heavy work and will cut a limb up to $1\frac{1}{4}$ inches in diameter. The compound leverage relieves the strain on the pole. Working parts, being made from forgings, are very strong, without being unnecessarily heavy, and the strength, durability, easy cutting qualities of this tool appeal to all who have occasion to use a strong and powerful Pruner. 10-ft., \$8; 12-ft., \$8.75; 14-ft., \$9.25; 16-ft., \$9.75.



Waters Tree Pruner

A very good Tree Pruner at a low price. The blade is made of high carbon tool-steel accurately ground to cut perfectly true. Hook also made of carbon steel.

6-ft. \$2 50
8-ft. 3 25
10-ft. 3 75
12-ft. 4 00
Extra Knives, 40 cts. each.



Telephone Pole Pruner

Not Illustrated

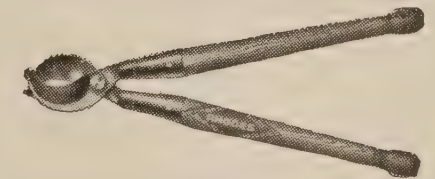
Similar to the Waters Pruner but without pole, chain pull, \$3.75. Extra Knives, 40 cts. each.

Sawco Lopping Shears



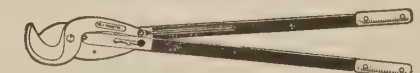
A well-made heavy-duty draw-cut Shears, with brass anvil and high-tempered steel blade. Very easy cutting. An exceptional buy. Cuts branches 1 inch in diameter. Handles reinforced with steel ferrule one-third the length. Overall length 25 in. \$2.75.

Rhodes' Double-Cut Pruner



A good and powerful Pruner. Cuts from both sides of the limb, and does not bruise the bark. Long ferrules; handles do not pull out; blades are of the best forged steel. 30-in., \$6.

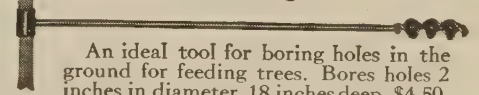
The Forester Pruner



A powerful Pruner. Cuts limbs from $1\frac{1}{4}$ to 2 inches with ease. Has patented slide-shift power-slot. 27-in., \$7.50.

Tree Auger

An ideal tool for boring holes in the ground for feeding trees. Bore holes 2 inches in diameter, 18 inches deep. \$4.50.



Shears, Shovels, Signs, Spades and Soil Testers

Border Shears

Designed to trim overhanging grass on borders, flower-beds, and walks. Imported English Steel. Without wheel, \$7.50; with wheel, \$8.

Lawn Shears

Designed to cut grass under hedges, fences, grape-arbors, and flower-beds or shrubs. Has 9-in. blades of high-grade imported English tool-steel; polished handles and blades. Without wheel, \$7.50; with wheel, \$8.

Snap-Cut Tree and Shrub Pruner

Sharp-cutting Shears on a long handle that takes a lot of the grief out of pruning. New, handy, light in weight it has unbreakable steel cutting parts attached to a strong aluminum shaft. It is ideal for pruning briery fruits, roses, and shrubs, saving the hands from scratches. With it you can cut at the ground level without bending over, or pick high-growing flowers, prune fruit trees, high vines, etc. A serviceable tool that easily cuts $\frac{3}{4}$ -inch branches.

4 ft., \$4.50; 6 ft., \$5.50.

Sawco Long-Handle Trimming Shear

A modern Grass Shear. Eliminates stooping, kneeling, and back-breaking positions. Just as simple as walking. Shaft made of aluminum alloy. Operated from top of handle by connecting rod. Length of cutting blades $6\frac{3}{4}$ inches, height of Shear 38 inches. \$2.75.

Grafting Chisel

Makes clean splits and does not tear the bark. \$1.25.

Sawco Tree Scraper

A handy tool for removing loose bark that harbors insects. The incurved end takes care of the small grooves, and the broad curve, sharpened on both sides, scrapes the wide, shallow grooves. Spring-steel, forged. \$1.75.

Sieves

For covering newly sown seed there is no better way than to riddle on to it a very light covering of soil. Galvanized. 20 inches in diameter. $\frac{1}{8}$ -, $\frac{1}{4}$ -, and $\frac{1}{2}$ -inch mesh. \$2.50 each.

Hedge Shears



Sawco Domestic. Well made and of excellent quality. With notch. Each

8½-in. blade.....\$3 00

9½-in. blade.....3 75

Ladies' Plain. 6-in. blade.....2 75

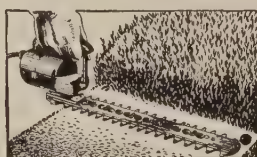
Sheffield. Finest English steel with notch. Each

8-in. blade.....\$4 50

10-in. blade.....5 00

Ladies'.....3 75

Syracuse Electric Hedgeshear



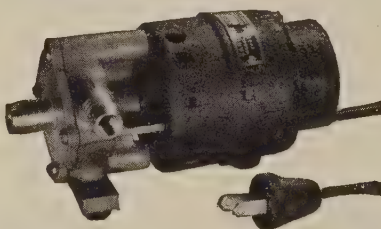
Cuts hedges, shrubbery, and grass. Cutters self-sharpening, revolving on endless chain. Cuts on either side of cutter-bar. Weight, 6 lbs. With 10-ft. Cord, \$33.50. Extra 100-ft. Weatherproof Cord, \$6.

Sawco Hedge Trimmer



Cutter bar made from high carbon steel, 12¼ inches long. Has 9 stationary teeth and 4 moving blades. Length overall, 2 feet 10 inches. Weight 2 pounds. Enables operator to trim faster with less effort and fatigue. Excellent for shaping and decorative trimming. \$2.50.

Eastern Garden Pump



A compact, handy electric motor unit for fish-ponds, lily-ponds, and other small bodies of water. Specially constructed with intake and outlet for pumping the same water over and over again. \$18.50.

Warning Signs

Made of metal, 14 by 4½ inches, painted white, with 2-inch raised black letters with spikes as shown, \$3.75. Can also be furnished with Single 24-in. Steel Rod on special order.



New Planting. Keep Off
Do Not Climb Fence
Do Not Trespass
No Walking through Hedge
No Walking on Lawn
Keep Off the Grass

Shovels



Sawco Shovels. Good reliable grade.
Square Point, D-Handle.....\$2 75
Round Point, D-Handle.....2 75
Long-Handle Shovels, same price.

Ames Shovels are the best manufactured.

Give best service.

Square Point, D-Handle.....3 75

Round Point, D-Handle.....3 75

Long-Handle Shovels, same price.

Ladies'. Light weight; long handle; round point.....2 00

Spades



Sawco Spades are the same grade as Sawco Shovels.

D-Handle and Long Handle.....\$2 75

Ames Spades are the same grade as the Ames Shovels.

D-Handle and Long Handle.....3 75

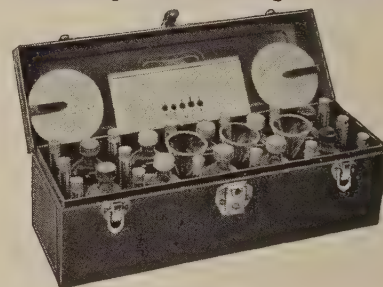


Ladies' Spade. Blade 7 x 10½ in. Diamond Point, D-Handle. Sturdy yet light. For the junior gardener... 2 75



Transplanting Spade. A light-weight concave spade 4½ in. wide by 11½ in. long. Ideal for transplanting perennials and many other plants in the garden. D-Handle.....2 75

Sudbury Soil-testing Outfits



Professional Kit

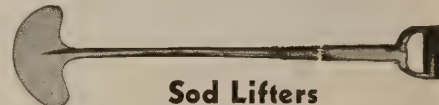
Tests for nitrogen, phosphorus, potash, and acidity. It will give the gardener complete information about the requirements of his soil.

Home Gardener's Kit. (Four complete tests).....\$2 00

Club Kit. (Makes 10 tests).....4 75

Horticultural Kit. (Makes 60 tests). 9 75

Professional Kit. (Makes 200 tests). 18 50



Sod Lifters

English Pattern. Heart-shaped, strong, and highly efficient. \$10.

American Pattern. Preferred by many on account of its light weight. \$3.75.

A reliable dust for controlling fungous diseases, chewing and sucking insects is the

non-poisonous **HORTEX.** 5 pounds \$2

Spades, Sprayers and Dusters

Ames Nursery Spade



Full strapped heavy-duty tool used by nurserymen for transplanting. Blade 12 $\frac{5}{8}$ inches long. D-handle. \$6.50.

Ames Drain Spade



Solid shank. Ideal for transplanting. 16 inches long; 4 $\frac{3}{4}$ inches wide. D-handle. \$4.75.

Bronx Bottle Sprayer



Nozzle throws powerful, broad mist. Can be sprayed in any direction. Sprayer is made to fit any ordinary bottle. Sprayer only, \$1.35; with special Screw-Cap Bottle, \$1.50.

Rubber Plant Sprays

Sawco. Straight-neck. 12 oz. \$1.

Sawco. Crook-neck. 12 oz. \$1.25.



Brass Syringes

No. A. Barrel 12 in. long, diam. 1 in. One Spray Rose and one Jet. Weight 3 lbs. \$4.50.

No. H. Sheet-brass Syringe, with fixed Spray Rose. Barrel 16 in. long, diam. 1 $\frac{1}{2}$ in. Weight 4 lbs. \$5.

No. 10. Barrel 18 in. long, diam. 1 $\frac{1}{2}$ in. One coarse and one fine Spray Rose and one Stream Jet, with Patent Valves and Elbow Joint for sprinkling under the foliage. Weight 5 lbs. \$12.

Hampden Root Sprayer



The most scientifically constructed subsoil watering instrument on the market. Highest quality workmanship used. Just attach hose to swivel hose connection and insert into soil. Insert 8 to 10 inches diagonally for flowers and small plants; 1 to 2 feet for large shrubs and trees. One quarter turn of needle for slow watering; one full turn for instantaneous watering. Weight 2 $\frac{1}{2}$ pounds. Measures 3 feet overall. Complete with Transparent Cartridge Chamber, \$4.50.

DUSTERS

Woodason's Bellows



Powder, small size \$4.50; large size \$6. Liquid, small size \$4.25; large size \$5. **Double-Cone Powder Bellows.** For dusting plants with dry powders. \$7.50.

Sawco Dust Gun



For dusting Hortex, Tobacco Dust, Hellebore, Paris Green, Arsenate of Lead, Powdered Sulphur.

Junior Model. (Not illustrated.)

Capacity 3 ozs. \$0 50

Senior Model. (As illustrated above.)

Capacity 12 ozs. 1 50



Sawco Paragon Duster

Duster is constructed of heavy lead-coated steel. Powerful air-blast breaks up powder into uniform fine dust.

Junior Size. Capacity 2 to 5 pounds, depending on powder used. \$13.50.

Senior Size. Capacity 5 to 10 pounds, depending on powder used. \$16.50.

Sawco Hose Spray Gun



Connects to your water hose; no mixing or pumping required. Simply insert type cartridge required and attach sprayer to end of garden hose. Water passing over transparent cartridge dissolves chemical uniformly to provide constant and adequate spray solution. See page 134 for cartridges. Gun complete as shown, \$3.75. Extra: 3-ft. Extension Rod, \$1.50; Transparent Chamber, \$1.50.

Sawco Compressed-Air Sprayer



The most perfect small hand Compressed-air Sprayer made. Delivers a continuous fog-like spray. Is fitted with straight and adjustable nozzles making a perfect under-leaf sprayer. Holds 1 qt. Sturdy construction. Wonderful performance. Brass Pump and Copper Tank. \$2 75 All Tin. (Not illustrated.) 1 25

Sawco Open-Hed Auto Sprayer

An excellent Compressed-air Sprayer especially adapted for spraying around the home, garden, stable, and poultry-house.

Tank made of corrugated brass or copper-bearing galvanized steel and lined with special non-corrosive coating to guarantee long life. Double riveted to ensure maximum strength.

No. 4-B. Brass Tank fitted with Automatic Shut-off 2-ft. Seamless Brass Extension and Non-Clog Nozzle. Capacity 4 gals. \$13.50.

No. 4-D. Galvanized Tank with equipment as above. Capacity 4 gals. \$8.

No. 3-D. Galvanized Tank with Automatic Shut-off 18-in. Seamless Brass Extension and Non-Clog Nozzle. Capacity 3 gals. \$7.



Extras for Sawco Open-Hed Auto Spray

Auto-Pop Nozzle only.....	\$0 75
18-in. Brass Extension.....	60
24-in. Brass Extension.....	80
36-in. Iron Extension.....	75
Auto-Pop Nozzle complete with Shut-off and Rubber Hose.....	2 75
Shut-off without Nozzle and Hose....	1 25
Leather Cup Washer.....	15
Bordo Nozzle.....	75
Hose only, $\frac{3}{8}$ -in..... Per ft..	25

Pump-a-Sprayer

A very handy and useful small Sprayer for house-plants and small gardens. Develops a fine, fog-like spray to a distance of 15 feet. Glass jar, 1 quart capacity. One hand pumps and the other directs spray. \$2.85.

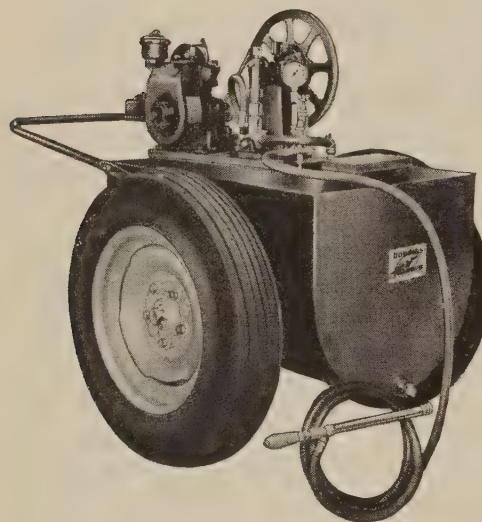


C.C.C. Spray Pump

Operates from a bucket. Sprays insecticides, white-wash, and disinfectants and also has many other uses. Nozzle adjustable to throw a shower or a straight stream 30 feet high. One of the finest Bucket Sprays made. \$7.85.



SPRAYERS FOR THE FARM, ORCHARD, AND LARGE ESTATES



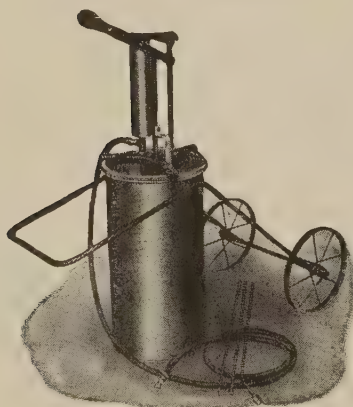
Eveready Power Sprayer

The latest design in a gasoline model Sprayer. For greenhouses, landscape gardeners, golf-courses, and small orchards. Ideal for applying insecticides, whitewash, and liquid fertilizers. The Eveready is well balanced, light in weight, and easily portable. Only 18½ inches wide, permits easy access to narrow aisles and passageways. Discharge 1½ gallons per minute at 250 pounds maximum pressure. Engine ½ h.p. Tank capacity 25 gallons, made of steel. Impeller agitator. Furnished with 12½ feet of ¾-inch high-pressure hose and orchard spray gun. Wheels 30 inches in diameter. Weight approximately 170 pounds. With steel wheels, \$120. With semi-cushion hard rubber tires, \$135.

Sawco Paragon Sprayer

No. 3

Capacity 12 gallons

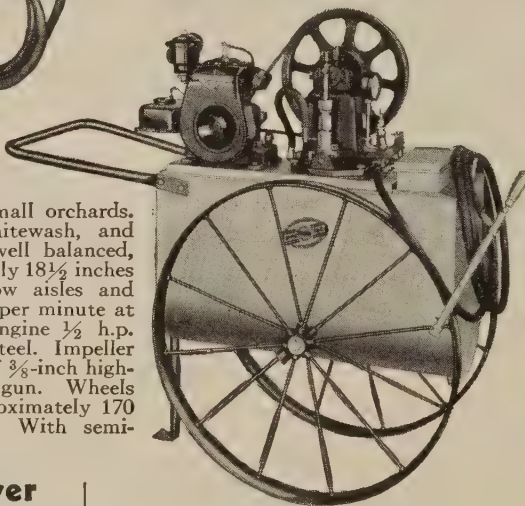


Recommended for spraying whitewash, cold-water paint, insecticides, fungicides, and all solutions in the garden or greenhouse. Will also spray trees 25 feet high.

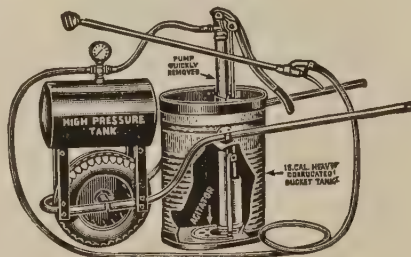
Equipment: 10-ft. Special Spray Hose, 7½-ft. Extension Pipe, 1 Mist Nozzle, 1 Steel Cap, 1 Straight Spray. Sprayer mounted on a two-wheel truck as illustrated, \$26.50. Single-wheel truck same price, if desired.

Estate Sprayer

An ideal Power Sprayer for the country estate, small orchard and landscape gardener. Automobile type pneumatic tires make the Sprayer very easy to move about. Will not mar or cut lawns or driveways. Plenty of pressure for the economical application of all spraying solutions. Also ideal for whitewashing, and spraying liquid fertilizer. The 50-gallon steel tank is rustproofed on the inside for longer service. Equipped with drain-plug. Large filler opening with removable strainer. 1¼ H.P. Briggs and Stratton Engine. Double Cylinder Pump—3 gallons per minute. 300 lbs. pressure. Pneumatic tires 5.50 x 16. Equipped with 25 feet of ½-inch high pressure spray hose and No. 3198 adjustable spray gun. Shipping weight, 370 lbs. \$220.



Sawco Wheelbarrow Sprayer

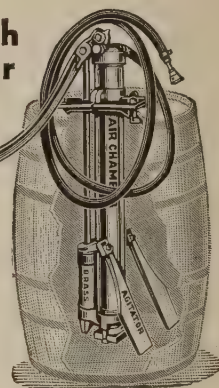


Unexcelled for greenhouse work, whitewashing, spraying garden truck. Streamlined, oval-shaped tank. Width of bucket 12 inches. Capacity 18 gallons. All-brass working parts. Mechanical agitator. Pressure tank made of 300-pound tested steel plate, capacity 6 gallons. Brass pressure gauge. Equipped with 12-foot ½-inch high pressure Hose. Two-foot brass extension rod and non-clog brass automatic shutoff nozzle.

Galvanized Steel Tank with 2 steel wheels 20 inches in diameter, 2½-inch tread, \$40. Solid Copper Tank with 16 x 4-inch pneumatic tire, \$72.50.

Warren-Church Barrel Sprayer

A high-grade, powerful, well-built barrel pump of 50 gallons capacity. Ideal for spraying orchards, vineyards, garden crops, also for whitewash and cold-water paints. Height 38 in. Brass pump cylinder 4¾ in. diam. Develops 300 lbs. pressure, 3½ gals. per minute. Paddle type agitators. 12½ ft. hose and brass non-clog nozzle. \$35.



Sawco Stirrup Pump

This is the famous Pump frequently mentioned in the reports of Air-Raid Defense in Great Britain. No home here should fail to have one or more on hand for emergency use. Recommended for applying whitewash, cold-water paint, disinfectants, and spray materials. Heavily constructed with brass valves. Nozzles adjustable from steady stream to fine spray. \$8.50.



Sawco Wheelbarrow Duster



A one-man traction type Duster for all row crops. All the weight is carried by the 16 x 2-inch semi-pneumatic-tired wheel. Very easy to operate. Dust delivery regulated to any desired amount per acre. Drive belt is slackened when stand is lowered permitting the outfit to "free-wheel." Nozzle adjustable to rows in any width up to 72 inches apart and to any height to 36 inches. Capacity of hopper, 10 to 15 pounds. \$32.50.

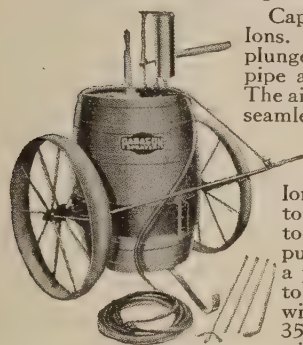
Orchard Spray Gun

For Small Units (discharging 1½ gals. per minute), \$6.

For Large Units (discharging 3 or more gals. per minute), \$17.50.

Sprayers and Sprinklers for Small and Large Areas

Sawco Spray Barrel



Capacity 50 gallons. Pump body, plunger, and suction pipe are solid brass. The air-chamber is of seamless brass tubing, 4 inches in diameter, 12 inches long. Has agitator operated automatically by pump. Maintains a pressure of 150 to 300 pounds with one man and 350 to 400 pounds with two men.

Equipped with 25-foot special spray hose, 10-foot extension pipe, 3-way nozzle, 1 single-spray nozzle.

Spray Barrel complete with Truck... \$69 50
Spray Barrel only, without Truck... 45 00
Truck only, with 4-inch-tread Wheels. 24 50
Spray Pole, 8 ft. brass-lined, with shut-off. For tall tree spraying... 4 00

Sawco Knapsack Sprayer



Maintains about 35 pounds pressure. Equipped with ample length of 5-ply spray hose, automatic shut-off, 2-foot seamless brass extension, wide-web straps easily adjustable, and screen nozzle so operator can easily direct spray with one hand while pumping with the other. Four-gallon capacity. An excellent Sprayer for potatoes, garden truck, field-crops, etc., or where operator has to move about.

Copper-Bearing Galvanized Steel... \$20 00
Heavy Sheet Brass... 23 50

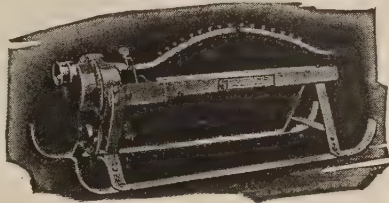
Water Wand



Releases water in a steady, yet gentle flow at base of plants. Provides maximum amount of water with minimum waste. Water is left motionless to sink deep into the soil. Connects to your garden hose. Long handle permits watering flower-beds without stepping on soil or trampling flowers. Overall

length 52 inches. All parts cadmium plated to resist rust. \$3.

SPRINKLERS Waterfan



Oscillates, and will irrigate a rectangle 40 by 45 feet, with a mist-like spray. The plane of the spray waves back and forth automatically. \$17.50.

Triple Shower Sprinkler



The best Sprinkler made in its price-range. Operates on 15 pounds of pressure. Covers a surprisingly large area uniformly and properly. \$3.

Double Rotary Sprinkler

Efficient,
Long-Wearing,
Reliable

Covers an area from 15 to 80 feet. Gears run in oil. Nozzle can be adjusted for fine and coarse spray. \$13.50.

Holland Rotary Sprinkler



Has the principle of the Double Rotary Sprinkler with whirling wheel distributing water like a gentle shower over an area up to 30 feet in diameter, according to water pressure. Even uniform coverage. Only one moving part. Needs no oiling; has nothing to wear out. \$1.50.

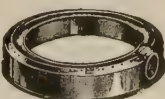
Sawco Portable Spray Head



Head is adjustable to \$1 each, \$11 per doz.

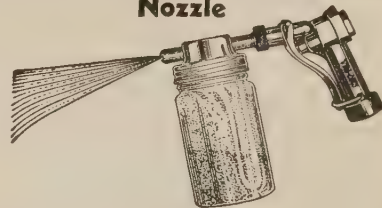
For connecting with hose in series to create a movable and flexible lawn-sprinkling system. Produces a perfect mist-like spray. completely shut off.

Ring Lawn Sprinkler



Made of heavy gauge sheet brass; 8½ inches in diameter; ¾-inch connection. Throws a well-distributed spray. \$1.25.

Tri-Con Sulphate of Ammonia Nozzle

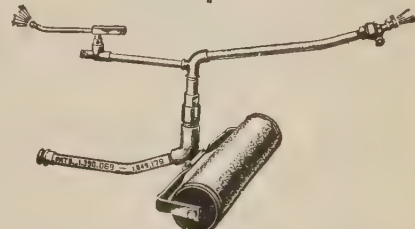


For use in applying sulphate of ammonia fertilizer. Simply fill jar three-quarters full with the dry sulphate of ammonia, attach hose and the mixture comes out in the proper proportion for your lawn. One pound of sulphate of ammonia in this nozzle will cover an area 300 to 400 square feet. \$4.

Tri-Con Commercial Fertilizer Nozzle.

Same as above but glass jar is on top for gravity feed. Applies 5-10-5, 8-6-4 and other popular advertised brands without danger of streaking or burning. \$4.

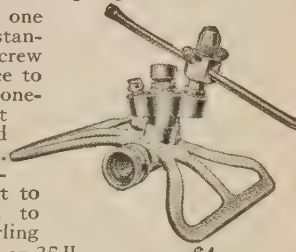
Lark Sprinkler



All gears and complicated wearing parts have been eliminated. Adjustable. Will cover 60 to 150 feet in diameter depending on water pressure. Operates on pressures from 15 to 75 lbs. Gives an even rain-like distribution. \$14.50.

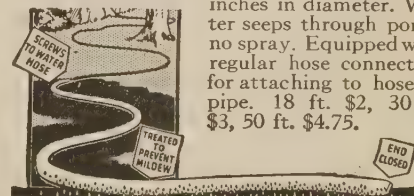
Dayton 3-Way Sprinkler

Changes from one to another instantaneously. No screw to turn or device to adjust. Has one-half way outlet for oblong and narrow spaces. Intensified circular spray subject to regulation up to 28 ft., and a whirling spray up to 48 ft. on 35 lbs. pressure. \$4.



Soil-Soaker Hose

Now you may use the same successful deep-soaking method employed by big commercial irrigators. Made of porous canvas, 2 inches in diameter. Water seeps through pores; no spray. Equipped with regular hose connection for attaching to hose or pipe. 18 ft. \$2, 30 ft. \$3, 50 ft. \$4.75.



The C. B. G. Sprinkler

Cheap but good

Nothing to get out of order. Easily drawn about the lawn without shutting off the water. 75 cts. each.



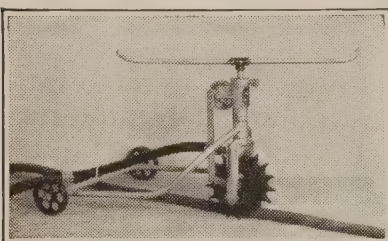
When you stake your Tomatoes, fasten them with

PLANT-TWISTS,

made of wire which bends easily; plant is protected by soft fibers.
50 cts. per 100 See next page,

Sprinklers, Stakes, Spikers, Vine Supports and Tampers

Torrent Traveler Sprinkler



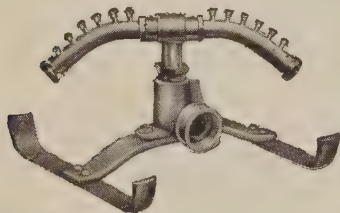
A low-cost automatic Sprinkler for homes, nurseries, estates, schools, golf courses, parks, etc. Requires no attention; waters evenly and thoroughly. Walks by itself; shuts itself off.

Model A-5. For homes, nurseries, small parks, etc. \$24.50.

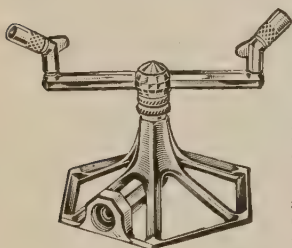
Model A5-2. For large lawns, cemeteries, school yards, private estates. \$27.50.

Model B-3. For golf-courses, large parks, athletic fields, etc. \$34.50.

Rotorfan Sprinkler



Splendid performance. Similar to Waterfan in construction but rotary type. Head entirely brass set on galvanized base. Works on low pressure. Will cover a circle 40 ft. in diameter on 30 lbs. pressure. \$4.50.



Whirling Wizard Sprinkler

A universal, all-purpose Sprinkler. Throws every known kind of stream or spray. Chromium plated head. Height 7 inches;

base 7 inches wide. \$3.50.

Junior Rotary Sprinkler

A very efficient Rotary Sprinkler plus the stationary feature which permits sprinkling in a straight line as well as in a circle. Gives a mist-like spray for seeded ground, rain-like performance for flowers, vegetables and shrubs. Covers up to 60 ft. in diameter depending upon pressure. \$8.50.

Maid-O-Mist Sprinkler

(Not illustrated) 5 feet 6 inches overall

Fitted with 3/8-inch pipe frame with alternate nozzles. Fine spray for tender flowers and seedlings and coarse spray for even coverage over a wide area. No motor or moving parts. Wheels 4 in. in diam. Ideal for watering flower-beds, borders, etc. Weighs 26 lbs. \$12.50.

Plant Stakes, Cane

Chinese Bamboo, Dyed Green. For staking Gladiolus, annual flowers, etc., in the garden. Uniform pencil thickness.

100	1000	100	1000
2-ft. \$1 25	\$9 00	5-ft. \$2 75	\$19 50
3-ft. 1 75	12 50	6-ft. 3 50	22 50
4-ft. 2 25	16 50		

Chinese Bamboo, Natural. For sweet peas, chrysanthemums, and other greenhouse plants.

100	1000
6-ft. \$2 50	\$20 00
8-ft. 4 50	30 00
20-ft. 50 cts. each,	\$5.50 per doz.

Chinese Tonkin Cane. Heavy stake-canes for indoor and outdoor use. 3 to 4-ft. canes are 3/8-in. diameter; 5 to 6-ft., 1/2-in.

100	1000	100	1000
3-ft. \$2 50	\$20 00	5-ft. \$6 00	\$48 00
4-ft. 3 00	24 00	6-ft. 6 50	52 00

Plant Stakes, Wood

Plant Stakes, Green—1/2 in. in diameter.

Doz.	100	Doz.	100
2 ft. \$0 45	\$3 25	4 ft. \$0 85	\$4 50
3 ft. 65	3 75	5 ft. 1 25	5 00

Hyacinth Stakes, Painted green—

100	500	1000
12-in. \$0 50	\$2 00	\$3 00
18-in. 75	3 00	5 00

Square Stakes, 1 in. sq. Green—

Doz.	100
7-ft. \$3 25	\$16 50

Special Dahlia Poles, Green. Solid ash;

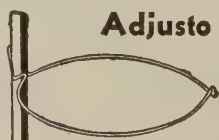
1/8 inch diam.; non tapering. Doz.	100
6-ft. \$4 00	\$18 00

Hickory Stakes, Green.

Doz.	100
3 1/2-ft. \$0 65	\$5 00

BEAN POLES. 35 cts. each, \$3.50 per doz.

Adjusto Plant Supports



Sturdy hardwood stakes, 7/8-inch square, with a strong wire support instantly adjustable to any height.

Holds the plant firmly together, yet admits air and sunlight.

Each	Doz.	Each	Doz.
3-ft. \$0 25	\$2 50	5-ft. \$0 35	\$3 50
4-ft. 30	3 00	6-ft. 40	4 00
Extra, 13-in. Wire Hoops.	20	2 00	

Metal Plant Supports

Galvanized Wire Stakes.

Doz.	100	1000
3-ft. \$0 40	\$2 50	\$18 75
4-ft. 50	3 30	24 75
5-ft. 60	4 00	30 00

Tomato Supports, Wire. Made of heavy steel wire. 32 in. high, 14 in. diam. 65 cts. each, \$5 per doz., \$35 per 100.

Sawco Spiral. Made of galvanized wire enamelled green. A twist curls the spiral end about the stalk of the plant.

Doz.	100	3 ft. \$1 00	\$7 00
2 ft. \$0 90	\$6 00	4 ft. 1 25	9 00

Carnation Supports, Etc.

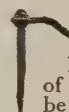
Carnation Supports, Model Extension. 2-ring, \$2 per doz., \$10 per 100; 3-ring, \$2.25 per doz., \$11.50 per 100.

Baur's Carnation Clips. Plier and 1000 Clips, \$4.50. Plier alone, \$3.50. Extra Clips, \$1 per 1000.

Carnation Bands, Rubber. Prevents splitting. 20 cts. per oz.

G. B. Vine Supports

For training roses and climbing vines on brick, stone, or wood without defacing surface. Box of 25 Supports, with Cement, \$1.35, postpaid; 100 Supports, \$5.

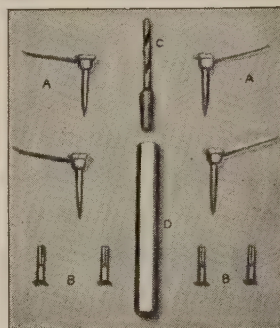


"Beat All" Wall Nail

For training vines, ramblers, etc. Made of metal with pliable lead tip which can be bent to any desired position.

Doz.	100	Doz.	100
1-in. \$0 35	\$2 25	2-in. \$0 50	\$3 25

Vyn-Tach Hooks



Attach your climbing roses and other vines to masonry or wooden surfaces.

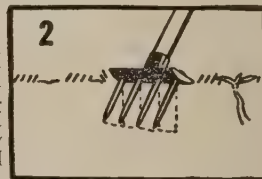
Vyn-Tach Hooks for Masonry.

Complete set of 25 Hooks, 25 Shells with Drill and Drill-holder, \$2.25. Complete Set of 100, \$6.50.

Without Drill and Drill-holder, \$1.75 for 25, \$5.50 per 100.

Vyn-Tach Hooks for Wood. 25 Vyn-Tach Hooks, \$1.25; 100 Hooks, \$4.50.

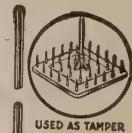
Sod Spiker



An ideal tool for the small lawn owner. For loosening hard-packed lawns to allow water, air, and fertilizer to penetrate. Helps eliminate moss and weeds. Light enough for a woman to use. 8 1/2 inches wide. Prongs 4 inches long by 3/8-inch diameter. Handle 32 inches long. \$1.75.

Spike Tamp

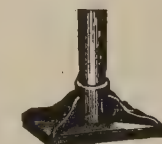
An indestructible, combined Perforator and Tamber made of malleable iron. Can be quickly converted from Spiker to Tamber and reverse by loosening one nut. Plates 9 in. square; Spikes 1 3/4 in. long, tapering. Overall length 4 ft. Weight 13 lbs. \$5.



USED AS TAMPER

Tampers

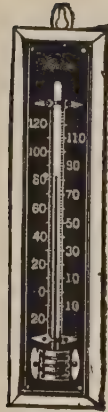
Sawco Iron Sod Tamper. Used when laying turf and for compacting the sod after frost. The Tamper is square and is furnished complete with a 4-foot handle.



Size	Weight	Price
8 x 8-in.	14 lbs.	\$2 50
10 x 10-in.	18 lbs.	3 00

Thermometers, Traps, Trowels, Twine, Vases and Weeders

Thermometers



No. 5420. Greenhouse. Black japanned heavy tin case. Oxidized brass scale, white figures. (Spirit.) 8-in., \$1.25.

No. 5154S. Coppered tin case; distance reading. Black oxidized brass scale, white figures. (Spirit.) Scale range, 120 degrees above to 40 degrees below zero. 8-in., \$1.

No. 5452, Self-Registering. (Siege's Pattern.) Lacquered brass case, white figures. **Maximum and Minimum.** 10-in., \$8, with magnet.

No. 5400. Black tin case; brass scale, white figures. (Mercury.) Range, 40 degrees below zero to 120 above. 10-in., \$2.50.

No. 5127. Steel, finished white enamel. Black figures make it easy to read at a distance. Temperature from 20 below to 120 degrees Fahrenheit. (Spirit.) 8-in., \$1.

No. 5314. Enamel Spirit. Black figures on white. For exterior or window use. Universal ball joint permits turning at any angle. 8-in., \$1.50.

No. 5981. Hotbed. Pointed wood. Brass oxidized scale, white figures. Best grade, mercury-filled bulb-chamber. 15-in., \$4.

Torches

Asbestos. Attach the Torch to the end of a pole, saturate with kerosene oil, light, and hold under the caterpillars' nests, passing quickly along the branches and around the trunk of the tree. Without pole, 60 cts.



Japanese Beetle Traps

Type 4. Most recent Trap developed. Especially suitable for large homes and estates. Rust-resisting, galvanized steel, enameled green and white. Complete with can of bait (no jar) \$1.85. Extra can of bait 75 cts.

Mole-Traps

The Little Giant. The simplest, safest, and surest Mole-Trap ever invented. \$1.25.

Acme. V-shape, trigger-tooth Mole-Trap \$2.

Molefume. Sure death to moles. See page 136.



Little Giant

Sawco Sparrow Trap



Very useful in catching native birds for banding and checking purposes. Absolutely harmless to birds and humans. Birds enter through the funnel at left, and are removed through small door at right. Bait with Sawco Wild Bird Mixture. Made of galvanized wire. Length 36 in. \$8.

Tree Guards



Made of $\frac{3}{4}$ -inch channel steel, secured with three flat steel bands. Finished in baked-on green enamel. Guard forms ample protection for any tree and prevents bark being marred by animals or children.

Diam	Height	Each
9 in.	72 in.	\$3 50
12 in.	72 in.	4 50

Shrub Protector

A wire guard with sharp points, easily fastened around shrubs to keep dogs away. Practical and economical. 25 cts. each, \$2.25 per doz.

Trowels



Stumpwall. Best Trowel made. The ferrule and shank, as well as the blade, are forged in one piece; 6 inches long. \$1.25.

Forged Steel. This Trowel is second to the Stumpwall Trowel in quality and finish. The blade and shank are one piece, forged out of the best steel. Made in three sizes: 5-in., 75 cts.; 6-in., 85 cts.; 8-in., \$1.25.

Warren-Church. Made of one-piece heavy sheet steel with hollow bent shank for strength. Blade 6 inches. 35 cts.

Planet Jr. Bulb. Extra-long and narrow. Has three notches, 3, 4, and 5 inches. Made of high-tempered steel. 60 cts.

Slim Jim. Excellent for setting bulbs or transplanting. 5-in., 20 cts.; 7-in., 25 cts.

Ladies' Aluminum. Made of solid cast aluminum; handle finished in green; 10 $\frac{1}{2}$ inches long, 3 inches wide. \$1.

Barclay Tree Tub

Made of seasoned Virginia white cedar, bound with galvanized wire hoops.

Inside Top Diam.	Inside Depth	Each
8 in.	8 in.	\$0 85
10 in.	10 in.	1 00
12 in.	11 in.	1 50
14 in.	13 in.	2 25
16 in.	15 in.	3 00
18 in.	17 in.	4 00

New York Cedar Plant Tub

Made of selected Virginia white cedar, painted green; iron legs and handles black.

Inside Top Diam.	Inside Depth	Each
12 $\frac{1}{8}$ in.	10 $\frac{3}{4}$ in.	\$4 50
14 $\frac{1}{8}$ in.	12 $\frac{3}{4}$ in.	5 75
16 $\frac{1}{2}$ in.	14 $\frac{1}{2}$ in.	6 50
18 $\frac{1}{8}$ in.	16 $\frac{1}{2}$ in.	8 00
21 in.	18 $\frac{1}{2}$ in.	9 75
24 $\frac{3}{4}$ in.	22 $\frac{1}{2}$ in.	12 50

Green Iron Flower Vases

No.	Height	Top Diam.	Each	Doz.
No. 1.	10 in.	4 $\frac{3}{4}$ in.	\$0 65	\$6 50
No. 2.	12 in.	6 $\frac{1}{2}$ in.	75	7 50
No. 3.	13 $\frac{1}{2}$ in.	6 $\frac{1}{2}$ in.	85	8 50
No. 4.	15 in.	6 $\frac{1}{2}$ in.	90	9 00
No. 5.	17 in.	6 $\frac{1}{2}$ in.	1 00	10 00

Wire

Wire, Bouquet, Florists' Annealed. Nos. 22 and 24. In coils of 12 lbs., \$4.50 per coil.
Florists' Bright. Cut in lengths. In boxes of 12 lbs. (one stone), 12 in. and 18 in. long. 22 gauge, \$3.50; 24 gauge (thinner), \$5.

Twines, Tape, and Raffia

Silkline. F, fine; FF, medium; and FFF, coarse. Spool 40 cts., box of 8 spools \$3.

Green Tying Tape. Cotton, $\frac{1}{4}$ inch wide. Strong. Non-injurious to plants. Spool of 72 yds., 35 cts. each, \$3.85 per doz.

Bouquet Twine. White. 2 $\frac{3}{4}$ -oz. ball 20 cts., lb. \$1, 5 lbs. \$4.75.

Sea Island Cotton. Green. Ball 25 cts., box of 8 balls \$1.50.

Twine, Soft Jute. For tying vines, etc., without danger of bruising. Very strong; 3-ply. **Natural.** $\frac{1}{2}$ -lb. ball 25 cts., 3 balls 60 cts., 12 balls \$2. **Dyed Green.** $\frac{1}{2}$ -lb. ball 35 cts., 3 balls \$1, 12 balls \$3.50.

Sisal Twine. 5-lb. ball \$1.75.

Binder Twine. 5-lb. ball \$1.

Tinfoil. Plain, lb. 75 cts.; colored Green or Violet, lb. \$1.

Tarred Yarn. Excellent, low-priced material for raspberries, shrubs, etc. Ball (1 lb.) 50 cts., 5 balls \$2.25.

Raffia, Natural. For tying plants. $\frac{1}{2}$ lb. 40 lbs., lb. 65 cts., 5 lbs. \$3.

Dyed Green. $\frac{1}{2}$ lb. 75 cts., lb. \$1.25.



Plant-Twists. Dyed green. Non-injurious to plants. A simple twist of the hand and the plant will stand. 7 inches long, 15 cts. for 25; 50 cts. per 100. 12 inches long, 30 cts. for 25; \$1 per 100.

Twist-Ems. New quick plant tie. Easier than using twine or raffia. Made of paper tape with wire running through center. 8-in. (box of 125) 25 cts.; 16-in. (box of 125) 50 cts.

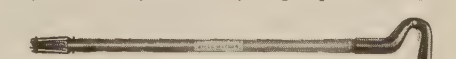
Weeders



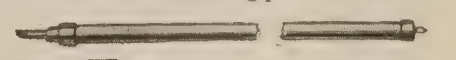
Dandelion and Lawn. For dandelions and other weeds in the lawn. Bent, V-shaped blade, 3-ft. handle. 75 cts. each, \$7.50 per doz.



Cleveland Lawn. A pleasure to use. Fine mechanical Weeder for the lawn. Blade pierces soil, toothed jaw grasps weed. \$2.



Rifle Weeder. Has six-pointed prongs which grasp the weed tightly around the root. Trigger action on handle releases weed. Long enough to conveniently remove weeds in standing position. \$2.85.



Noxweed Cane

End Section
Made of tubular brass. Holds about 6 ounces of liquid. Ejects a fluid by drops from needle point that will destroy Dandelions, Plantains, and many other weeds. Simply press point of gun into the crown of weed lightly. Gun is easily filled with Noxweed Liquid by pouring into the tube at the top of cane, and replacing cap. Ring on cap permits hanging on nail or hook—always ready for use. No stooping, no digging, no holes in the lawn. Gun complete with 1 qt. Liquid, \$2.50. Extra Liquid, 75 cts. per qt.

SOW YOUR NEW LAWN

with STAIGREEN. The best mixture of grass seed for general home turf. One pound sows 200 square feet, and costs 65 cts.

Sundials

Tell the time by the sun! Made of cast bronze, highly finished, and accurate.



No. 226. 7-in. diam. With your choice of inscription, "Time Takes All But Memories" or "Grow Old Along With Me The Best Is Yet To Be." \$5.

No. 258. 9-in. diam. With your choice of inscription, "Time Takes All But Memories" or "Let Others Tell of Storms and Showers I'll Only Mark Your Sunny Hours." \$8.

No. 59. 10¼-in. diam. With your choice of inscription, "Time Takes All But Memories" or "Let Others Tell of Storms and Showers I'll Only Mark Your Sunny Hours." \$9.50.

No. 953. 12-in. square. With inscription "Old Friends, Old Days, Old Ways, Time Takes All But Memories." \$18.50. Pedestals for any of the above Sundials \$10.75 each.



**No. 50
Equatorial
Sundial**

The dignity of this exquisite creation lends itself to use in gardens and landscapes. 7-in. diam., 10¼ in. high. A beautiful and everlasting gift. Adds beauty to your garden. Hemisphere-like. Made of heavy cast bronze. Designed along the same lines as those used by the ancients. Signs of the Zodiac are cast in the metal base. \$12.



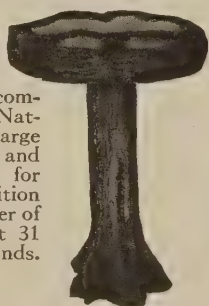
Gazing Globes

Permanently brilliant crystal. Will not discolor. Made to last a life-time. 10-in. \$9.50, 12-in. \$11, 14-in. \$14.50.

Pedestal for Gazing Globe \$9.75.

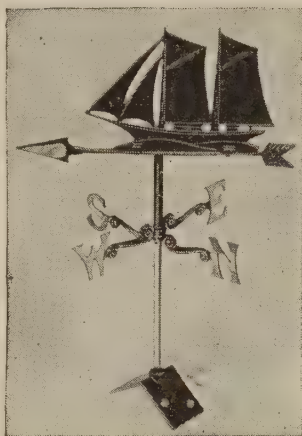
Rustic Bird Bath

Reinforced cement composition Bird Bath. Natural rustic finish. Large compartment for water, and smaller compartments for food. A welcome addition to any garden. Diameter of bowl 20 inches; height 31 inches; weight 75 pounds. \$11.50.



Novelties for the Gardener

Sawco Weathervanes



Made of non-corrosive cast bronze with cast aluminum figures. Finished in shadow black, bright brass upright, polished bronze letters. All vanes are perfectly balanced and ball bearing. Roof plate, cast bronze can be bent to any angle. Overall measurements 16 inches by 24 inches. An ideal gift.

No. 124—Sloop (as illustrated).

No. 154—Peter Stuyvesant.

No. 43—Horse and Carriage.

State which when ordering. Price \$8 each.

Warren-Church Weathervanes

Lower price models with plain arrow figure and points of direction as follows (not illustrated):

No. 0—12 in. wide, 12 in. high, black. . . \$3 50

No. 1—18 in. wide, 18 in. high, red. . . 6 50

No. 2—24 in. wide, 24 in. high, red. . . 8 50



Kremeskin Gloves

Cream-treated lamb-skin. Protect hands from dirt, scuffing, bruises. Massages, softens and whitens the skin. Washable. Ideal for gardening, motoring and household tasks. Small (for sizes 5½-6½), medium (6½-7½), large (7½-8½). \$1 per pair.

The Troy (No. 205)

A high-quality, sensitive Barometer combined with a Thermometer in a smooth black Bakelite case of modern design. Gold-colored dial and scale with black figures. Easy to read and understand. The movement is precision-made, super-sensitive to atmospheric changes, and easily adjustable to altitude. 8½ in. high, 3½ in. wide, 1¼ in. deep. An appropriate gift for any of your garden friends. \$5.75.

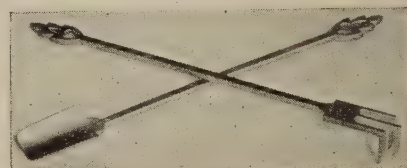


Indoor and Outdoor Thermometer

Novel twin-scale Thermometer that accurately indicates both inside and outside temperatures although it is located indoors. No peering through frosted, clouded windows. Both temperatures are read at a glance. Outside temperature is determined by hanging small metal bulb on a thin tube outside of window. Finished in a beautiful black bakelite case, chrome trim. 9½ in. high, 2¼ in. wide. Packed in an attractive gift box. \$6.50.



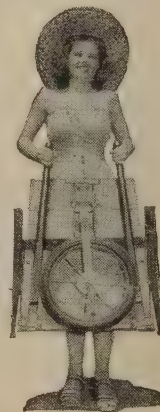
Mina-Culture Tools



Decorative indoor gardening set for cultivating in flower-pots and window-boxes. Satin-bronze finish. Tools are 9 inches long. Set, \$2.

Fold-A-Barrow

A wheelbarrow of sturdy construction with fully collapsible features. Every home needs the convenience of a collapsible wheelbarrow. Takes up very little room—can be hung in the garage or cellar. Painted orange and black. Has a 16-in. wheel and 2-in. pneumatic tire. Front width 18½ in.; back width 22½ in.; length of body 26½ in.; depth 10 in. An ideal gift. \$14.50.



Foot Scraper



This little Dachshund Foot Scraper adds a friendly touch to your door. He weighs 30 pounds and is 22 inches overall. Solid cast-iron; body velvet black, tongue red. \$8.

MAGIC Electrite PENCIL

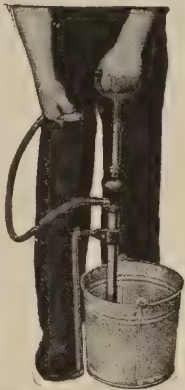


Ideal for burning in your name on all garden tools. Simply plug into electric socket and tool is ready to write. \$1.75.

EMERGENCY EQUIPMENT FOR HOME DEFENSE

Sawco Stirrup Pump

This is the famous Pump frequently mentioned in the reports of Air-Raid Defense in Great Britain. No home here should fail to have one or more on hand for emergency use. Recommended for applying white-wash, cold-water paint, disinfectants, and spray materials. Heavily constructed with brass valves. Nozzles adjustable from steady stream to fine spray. With 3-ft. length of high-pressure hose. \$8.50. Additional rubber hose, per ft. 25 cts.



C. C. C. Spray Pump

Right and left hands operate with a trombone effect; takes up from a bucket. Sprays insecticides, white-wash, and disinfectants and also has fire-fighting uses. Nozzles adjustable to throw a shower or a straight stream 30 feet high. \$7.85.

Pump-a-Sprayer

See page 127

A very handy and useful small Sprayer. Develops a fine, fog-like spray to a distance of 15 feet. Glass jar, 1-quart capacity. One hand pumps and the other directs spray. \$2.85.

No. 100 De Luxe Gridiron

Cook in the garage if gas supply fails.



Cast iron throughout. Legs swing down into place. Cooking surface 8 inches by 18½ inches. Stands 10 inches high. Steel carrying case measures 21 x 9 x 4 inches. Holds two frying pans or two kettles. A compact heavy duty grill. Weight 30 pounds. \$6.

Charcoal. Compact, pillow-shaped compressed bricks. Even lighting, hottest burning. No sparks or flames. Leaves no ash. 20-lb. bag \$1; 5 bags or more, 90 cts. per bag.

Adhesive Tape

For taping windows to prevent flying glass. 2 in. wide, 19 yds. in a roll. 85 cts. per roll.

Candles

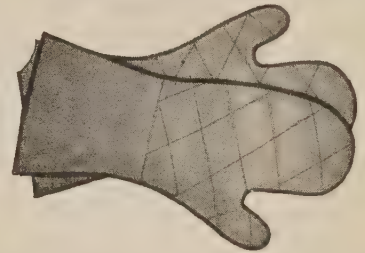
Keep a supply on hand in the home for blackout emergencies.

Paraffin Candles. 5 in. high, 1½ in. diameter. \$1.25 per doz.

Blackout Candle Kit. Beeswax and stearic acid, for long burning. Assortment of five items, including nursery night-lights. \$1.25.

Bags. Heavy cotton, seamless; used, but sound. Suitable for filling with sand for defense purposes. Maximum capacity, 2 bushels. 50 cts. each, \$5 per doz., \$40 per 100.

Asbestos Palm Mitts



Built high to protect the arm, and are padded with heat-resisting Asbestos. \$2.

Canvas Folding Bucket

Folds flat. Rigid; strong. Very useful in carrying sand and water. 11-in. diam., 9 in. deep. \$2.

Cel-O-Glass

A barrier against flying glass; ideal repair material or substitute for glass. 3 ft. wide in 25- and 50-ft. rolls, 13½ cts. per sq. ft. Less than rolls, 14½ cts. per sq. ft.

First-Aid Kit

Contains a full supply of Bandage, Gauze and Antiseptics. Very handy. \$2.50.

Tools

Axe. See page 116. \$3.

Crowbar. Length 4 ft.; weight 10 lbs. \$2.75.

Drain Spade. See page 127. \$4.75.

Long-Handled Shovel. See page 126. \$2.75.

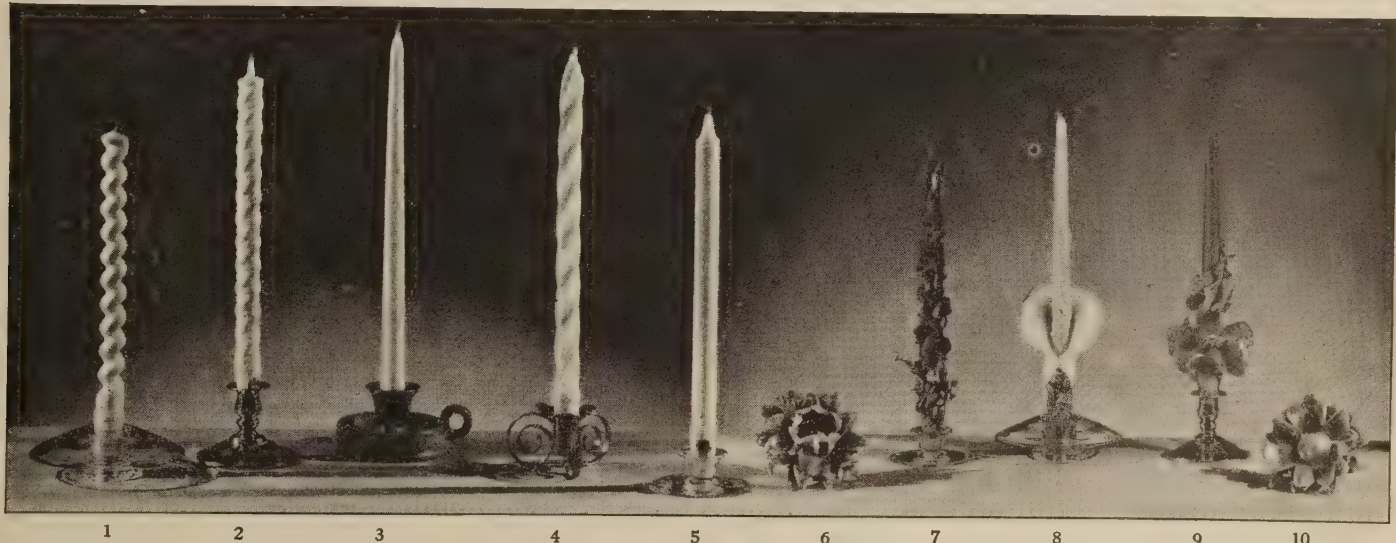
Mattock, Pick. See page 122. \$2.25.

Mattock, Cutter. See page 122. \$2.50.

Syringes. See page 127. \$4.50 to \$12.

CANDLES "Jewels of Light"

Peerless creations of beauty, unrivaled in hand craftsmanship and quality. Made of beeswax, longer burning, non-dripping, smokeless, clear-burning, and non-smouldering.



1. **Queen Marie Twist.** Beautifully hand carved. Natural cream wax color. 13 in. high. \$3 per pair.
2. **Italian Renaissance.** Hand carved. Natural cream wax color. 13 in. high. \$3 per pair.
3. **Jewels of Light, Tapered.** Of classic simplicity. In ivory, sunshine, peach, green, blue or yellow. 12 in. high. Packed 12 in a box, \$1.25.
4. **Oliver Twist.** A very popular design for formal dinners. Can be had in the same colors as "Jewels of Light, Tapered" 14 in. high. Packed 4 to a patented box that can be used as a holder, \$1.25.

5. **Gloria.** Plain tapered Candles of the finest quality, in white, cream, green, blue, and pink 13 in. high. Packed 4 to a patented box that can be used as a holder, \$1.
6. **Pond Lily.** With natural-looking petals, form and perfume. Exquisitely hand made. In white, pink, blue or green. 5-in. spread. \$1 each.
7. **Florentine.** Hand made and beautifully designed. In white only. Can be had with spray of Lily of the Valley, Forget-Me-Nots or Orange Blossoms. 13 in. high. \$2.50 per pair.

8. **Calla Lily.** In a miniature design with all its exquisite loveliness. Base in white and candle in yellow. 13 in. high. \$4 per pair.
9. **Venetian.** Really something beautiful and odd. Richly hand carved. Sweetly trimmed with Sweet Peas, Roses, Gardenias or Orchids. Candle blends harmoniously with the trim. 13 in. high. \$4 per pair.
10. **Lotus Blossom.** So natural-like in its delicacy of color and form. Perfumed. Hand made. In white, pink, blue or green. 5-in. spread. \$1 each.

SPECIAL NOTE: Above prices do not include Candle Holder

Remedies for Insects and Fungus

FOR APHIS, THRIPS, MEALY BUGS, RED SPIDERS, SUCKING AND CHEWING INSECTS

Agripax. Pyrethrum soap-spray for sucking insects. 4 tablespoons to 1 qt. of water, 1 pint to 10 gals. Qt. \$1.50, gal. \$4.50, 5 gals. \$17.50.

Arsenate of Lead. (Powder.) For chewing insects. 2 level teaspoons to 1 qt. water, 2 lbs. to 50 gals. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 4 lbs. \$1.35, 24 lbs. \$5, 48 lbs. \$8.25.

Black-Leaf 40. Nicotine sulphate; for sucking insects. 1 teaspoon to 1 gal. water, 1 oz. to 6 gals. Oz. 35 cts., 5 ozs. \$1, lb. \$2.25, 2 lbs. \$3.25, 5 lbs. \$5.85, 10 lbs. \$10.90.

Borerkill. Jelly; kills borers. Tube, with needles for introducing into stems, 60 cts.

Cartridges for Sawco Hose Sprayer Gun

Arsenate of Lead	Dormant Oil Spray
Bordeaux	Japanese Beetle Spray
Sulphur	Plant-Food Spray
Pyrethrum	Rotenone
Copper-Nicotine-Arsenate Spray	
Nicotine	35 cts. each, \$4 per doz.

Chinchex. For chinch-bugs and their larvae in lawns. Will not burn. 3 lbs. per 100 sq. ft. 5 lbs. \$1.50, 25 lbs. \$6.25, 100 lbs. \$20.

Dual-Fix. Nicotine dust for dahlia- and corn-borers. Apply when eggs hatch. Repeat four times, five days apart. Lb. 50 cts., 5 lbs. \$2.

Dutox. For leaf-eating insects. 2 level teaspoons to 1 gal. water, 3 lbs. to 100 gals. Lb. 40 cts., 6 lbs. \$2, 50 lbs. \$14.

Easol. A neutral liquid compound which will increase the effectiveness of most spray materials. Makes a uniform, smooth-spreading, penetrating solution. Increases suspension and reduces residue. Non-injurious. For use with most farm and garden spray materials, also with plant and animal dips, disinfectants, weed-killers, etc. 4 ozs. 35 cts., pt. \$1.

Fish-Oil Soap. For mild forms of scale and soft-bodied insects where something stronger cannot be used. Good plant-wash. 1 teaspoon to 1 qt. of water, 1 lb. to 10 gals. Lb. 30c., 5 lbs. \$1.25, 25 lbs. \$4, 100 lbs. \$13.

Gladiolus Thrip Spray. (Powder.) Effective during growing season. Use 1 teaspoon to 1 qt. water, 1 lb. to 10 gals. Lb. 75 cts., 5 lbs. \$3.

Hellebore. (Powder.) Kills currant worms. $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.

Hortex. A 1 per cent rotenone dust for sucking and chewing insects, combined with colloidal sulphur to act as a fungicide and lengthen the period of effectiveness. Non-poisonous. Lb. 50 cts., 5 lbs. \$2, 25 lbs. \$8, 100 lbs. \$27.50.

Sawco Japanese Beetle Dust and Spray. Contains $3\frac{1}{2}$ per cent rotenone, with spreading agent. For chewing and sucking insects, particularly for Japanese beetle. 1 teaspoon to 1 qt. water, 1 lb. to 25 gals.; or use as a dust. Lb. 75 cts., 5 lbs. \$3.

Kilmdead Spray. Insecticide and plant-wash for roses, chrysanthemums, and evergreens; also tender plants under glass. Tones up foliage and improves the appearance. 1 tablespoon to 1 qt. water, 1 gal. to 20 gals. $\frac{1}{2}$ pt. 40 cts., qt. \$1, gal. \$3, 5 gals. \$10, 30 gals. \$55, 50 gals. \$85.

Lemon Oil. For mealy bug, thrip and red spider. 3 tablespoons to 1 qt. water, $\frac{1}{2}$ pt. to 2 gals. Qt. \$1.25, gal. \$3.50.

Loro. For red spider, chrysanthemum mite, and mealy bug. Effective. Use $\frac{1}{4}$ teaspoon to 1 gal. water. Pt. \$2, gal. \$10.50.

Magnesium Arsenate. For the Mexican bean beetle. 6 teaspoons to 1 gal. water, 2 lbs. to 100 gals. 2 lbs. 80 cts., 4 lbs. \$1.50, 8 lbs. \$2.75.

Naphthalene Flakes. For gladiolus thrips. Intermix at the rate of 1 ounce to 100 corns in a bag or box when storing. Also dust bulbs at planting time. Lb. 35 cts., 5 lbs. \$1.50, 25 lbs. \$5.50, 100 lbs. \$18.

Paris Green. Poisonous. For chewing insects. Ingredient used in bran bait. $\frac{1}{4}$ lb. 20 cts., $\frac{1}{2}$ lb. 40 cts., lb. 65 cts., 5 lbs. \$3.

Pomo-Green. With nicotine, for sucking and chewing insects. Can be used as a dust or spray. Not noticed on foliage. To spray, 10 level teaspoons to 1 qt. water or $\frac{1}{4}$ lb. to 1 gal. Lb. 75 cts., 5 lbs. \$3, 25 lbs. \$12.50.

Red Arrow Garden Spray. Pyrethrum-rotenone for sucking and chewing insects. Non-poisonous. 1 teaspoon to 1 gal. water, 1 oz. to 8 gals., $\frac{1}{2}$ pt. to 64 gals. Oz. 35 cts., 4 ozs. \$1, pt. \$2.85, qt. \$5, gal. \$14.

Rotene Insect Spray. Non-poisonous, rotenone-pyrethrum spray with penetrant. Harmless to fruits, vegetables, and flowers, humans and animals. For chewing and sucking insects. Carries its own spreader; no soap needed. 1 teaspoon to 1 gal. water, 1 oz. to 8 gals., $\frac{1}{2}$ pt. to 64 gals. Oz. 35 cts., 4-oz. bottle \$1, pt. \$2.50, qt. \$4, gal. \$13.50.

Sofyne Liquid Soap. Use with Black-Leaf 40, and others that require spreaders. Increases effectiveness. 5 ozs. 20 cts., qt. 50 cts., gal. \$1.50, 5 gals. \$6.50, 10 gals. \$10.

Thripco. Controls gladiolus thrip and eggs. Use as a dust when storing bulbs at 1 oz. to 75 corns, 1 lb. to 1000 corns. Treated bulbs are to be stored in open paper bags or slightly ventilated wood boxes. Lb. 35 cts., 5 lbs. \$1.50, 10 lbs. \$2.75, 25 lbs. \$6, 50 lbs. \$10, 100 lbs. \$18.

Tobacco Dust. Kilmdead. Finest ground tobacco for dusting. Clings to the foliage, giving maximum kill against sucking and soft-bodied insects. Controls chinch-bug; use 1 lb. per 100 sq. ft. Lb. 25 cts., 5 lbs. 75 cts., 25 lbs. \$2, 100 lbs. \$6.

Tree Tanglefoot. A paste which traps crawling insects, gipsy moth, canker-worm, etc. Effective three to four months. One pound covers 18 feet 2 inches wide. For orchards, vineyards, and shade trees. 6-oz. can 35 cts., lb. 70 cts., 5 lbs. \$3.30, 10 lbs. \$6.25, 25 lbs. \$13. **Balsam wool** for wrapping around trees before applying Tree Tanglefoot in 16-ft. rolls, 3 in. wide, 3 cts. per ft. Less than roll, 5 cts. per ft.

Volck. For mealy bug, white fly, red spider, and many other insects. State whether for inside or outside use. 3 level teaspoons to 1 qt. water, 1 cup to 5 gals. Qt. 75 cts., gal. \$2.25, 5 gals. \$9, 28 gals. \$30.

X-L-All. Liquid Insecticide. Imported. For mealy bug, scale, thrip, red spider. Safe on tender plants. Leaves foliage bright and clean. 1 tablespoon to 1 qt. water, 1 pt. to 5 gals., 1 gal. to 40 gals. Qt. \$4.50, gal. \$13.50.

DORMANT SPRAYS FOR THE CONTROL OF SCALE INSECTS

Fish-Oil Soap. For mild form of scale on indoor and outdoor plants. Use one heaping teaspoonful to 1 quart of hot water. Allow to cool and apply. Lb. 30 cts., 5 lbs. \$1.25, 25 lbs. \$4, 100 lbs. \$13.

Lime-Sulphur (Liquid). For San Jose scale and apple scab. Use 4 tablespoonfuls to 1 quart of water, 1 gallon to 9 gallons of water when plants are dormant. Qt. 50 cts., gal. \$1.25, 5 gals. \$3.50, 30-gal. bbl. \$10, 50-gal. bbl. \$14.

Volck, Nursery. A miscible oil spray for control of most scale on dormant trees and shrubs. Very effective against red spider and white fly on evergreens. Qt. 75 cts., gal. \$2.25, 5 gals. \$9, 28 gals. \$30.

Lime-Sulphur, Dry. For San Jose scale, peach-leaf curl, and blister mite. Use 3 level tablespoonfuls to 1 quart of water or 12 pounds to 50 gallons of water. For summer spraying against apple and pear scab, use slightly less than half of the above quantities. Lb. 40 cts., 5 lbs. \$1.50, 10 lbs. \$2.50, 25 lbs. \$5, 100 lbs. \$17.50.

Scalecide. A mineral-oil dormant spray. Emulsifies quickly in water. Use on fruit trees, shrubs, and many other plants in the dormant stage. Apply at the rate of 2 tablespoonfuls to 1 quart of water, 1 gallon to 15 gallons of water. Qt. 75 cts., gal. \$1.75, 5 gals. \$6.35, 10 gals. \$10.90, 15 gals. \$14.95, 30 gals. \$23.75, 50 gals. \$33.

Scalex. A very effective dormant oil spray. Can be used with safety on most fruits, shrubs, and evergreens for scale. Dilute at the rate of 3 tablespoonfuls to 1 quart of water, one gallon to 20 gallons. Can also be used as a summer spray on apples, pears, and shrubs at half the dilution recommended above. Do not use as a summer spray on stone fruits. Qt. 65 cts., gal. \$1.65, 5 gals. \$6, 10 gals. \$10, 30 gals. \$20, 50 gals. \$30.

Approximate fluid measure: 4 teaspoons = 1 tablespoon 2 tablespoons = 1 ounce
MEASURING SPOONS from $\frac{1}{4}$ teaspoon to 1 tablespoon, 10 cts. per set.

Sunoco Oil Spray. A self-emulsifying spray oil for dormant trees and shrubs. Very effective against San Jose scale, Eucynimus scale, and red spider. A safe spray which really does the work it is intended to do. Use at the rate of 2 tablespoonfuls to 1 quart of water, 1 gallon to 15 gallons. Gal. \$1.50, 5 gals. \$6.25.

PROTEX

Winter. Modern protection for trees, shrubs, and plants. Forms a thin protective film of Latex over the branches. Eliminates burlap; prevents winter injury; regulates moisture loss; permits normal breathing. Dilute one part to $3\frac{1}{2}$ parts water. Qt. \$1, gal. \$3.50, 5 gals. \$15.

Spring. Similar to Winter Protex but combined with Colloidal Sulphur. A very useful dormant spray in place of Lime-Sulphur and other miscible oil sprays. Dilute one part to $3\frac{1}{2}$ parts water. Qt. \$1, gal. \$3.50, 5 gals. \$15.

Remedies for Insects and Fungus

NOTE: On orders for Insecticides and Fungicides over \$2 in value with exception of 30- and 50-gal. drums and items not listed in our Catalogue, we prepay to points within 50 miles of New York City. If value of order is \$2 or less, or if shipment is made beyond 50 miles of New York City, customer pays transportation charges on arrival. We send by express items not mailable.

FOR BLACK-SPOT, BLIGHT, BROWN-PATCH, FUNGUS, MILDEW, AND RUST

Bordo-Mixture. (Dry Powder.) A general fungicide for most all fungus diseases. Use 5 tablespoonfuls to 1 gallon of water, 8 pounds to 50 gallons. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 4 lbs. \$1.35, 24 lbs. \$5, 48 lbs. \$8.25.

Copper Solution, Ammoniated. For control of mildew and black-spot on roses. Does not disfigure foliage of plants. Use $1\frac{1}{2}$ teaspoonfuls to 1 pint of water, 3 tablespoonfuls to 1 gallon. For greenhouse use, and on tender plants, one-half the strength. $\frac{1}{2}$ pt. 75 cts., qt. \$2, gal. \$6.

Copper Sulphate, Crystal. The principal ingredient used in Bordo. For mildew and blight. Use 4 ounces to $3\frac{1}{2}$ gallons of water plus 4 ounces of Hydrated Lime, or 4 pounds to 50 gallons plus 4 pounds of Hydrated Lime. Agitate while spraying. Lb. 35 cts., 5 lbs. \$1.50, 10 lbs. \$2.75, 25 lbs. \$5, 100 lbs. \$15.

Nu-Green. A mercury and fertilizer combination for brown-patch on lawns and also acts as a stimulant. Apply with a sprinkling-can or compressed-air sprayer. Use $\frac{1}{2}$ teaspoonful to 10 gallons of water over 300 square feet or 6 ounces to 50 gallons over 1000 square feet. 3 ozs. 40 cts., lb. \$1.60, 5 lbs. \$6.85, 25 lbs. \$31.25, 100 lbs. \$117.50.

Semesan. A mercurial disinfectant. Very effective against brown-patch on lawns. Apply with a sprinkling-can or compressed-air sprayer. Use $\frac{1}{4}$ teaspoonful to 10 gallons of water over 300 square feet, 4 ounces to 50 gallons over 1000 square feet. 2 ozs. 40 cts., lb. \$2.50, 5 lbs. \$11.40, 25 lbs. \$52.50, 100 lbs. \$198.50.

Sulphur, Wettable. For black-spot and mildew. Can be used as a dust or spray. Use 4 teaspoonfuls to 1 gallon of water, 8 pounds to 100 gallons. Lb. 35 cts., 6 lbs. \$1.50.

Sulphur, Dusting. 100 per cent pure sublimed. For mildew and rust on most plants. Use as a dust only. Lb. 35 cts., 5 lbs. \$1.50, 10 lbs. \$2.75, 25 lbs. \$4.50, 100 lbs. \$15.

Tri-Ogen. A triple-acting spray for roses. Small Kit \$1.50, Medium Kit \$4, Large Kit \$6, Estate Kit \$20.



Lucky Strike Spray Set

A combination insecticide and fungicide for roses, delphiniums and hollyhocks. Kills sucking and chewing insects, and controls mildew, black-spot and fungous diseases. Does not discolor or injure tender foliage and blooms.

No. 1 Set. Makes 16 qts. of spray \$1 00
No. 2 Set. Makes 64 qts. of spray 2 00
No. 3 Set. Makes 150 qts. of spray 3 50
No. 4 Set. Makes 200 gals. of spray 10 00

FOR CUTWORMS, EARTHWORMS, GRUBS, AND OTHER GROUND PESTS

Arsenate of Lead. (Powder.) For the control of Japanese beetle grub. Apply in the early spring. One pound, mixed with a bucket of sand or soil, will grub-proof 100 square feet; 10 pounds, mixed with a wheelbarrow load of sand or soil, will treat 1000 square feet. One application is sufficient for two or three years. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 4 lbs. \$1.35, 24 lbs. \$5, 48 lbs. \$8.25.

Snarol. Contains Meta Powder. A poisoned bait in powder form for cutworms, sowbugs, snails, and grass-hoppers. Simply dust around plants and along the rows. 2 $\frac{1}{2}$ -pound package will cover a 100-foot row. Lb. 35 cts., 2 $\frac{1}{2}$ lbs. 65 cts., 10 lbs. \$1.50, 50 lbs. \$6.50.

Para-Dichlorobenzene. Highly recommended for peach borer attacking trees four years and older. A ring of crystals is placed on the soil around the trunk and covered by mounding the earth against the tree. One ounce is sufficient for each tree. Lb. 75 cts., 5 lbs. \$3.50, 10 lbs. \$6.

Vermol. For earthworms in lawns, turf courts, and putting-greens. A non-poisonous powder. Harmless to animals and pets. Will not injure the grass. Has value as a grass-food. Amazingly effective. Apply at the rate of $\frac{1}{2}$ pound per square yard and flood turf immediately. Best results are obtained on warm, damp days. 5 lbs. \$1.50, 25 lbs. \$4.50, 100 lbs. \$10.

Senoled. A compound of lead arsenate and plant-food for grub-proofing lawns and gardens. Destroys Japanese beetles, cutworms, and earthworms. Contains colloidal phosphate, which holds lead arsenate in soil and delays its loss through leaching. On lawns, broadcast at the rate of 3 pounds to 125 square feet, 25 pounds to 1000 square feet; double these quantities for the garden. 5 lbs. \$1.50, 25 lbs. \$3, 100 lbs. \$8, 500 lbs. \$35, ton \$125.

Go-West. A bait. Specific eradicator for strawberry root weevil, cutworms, slugs, snails, sowbugs, earwigs, and grasshoppers. 10 lbs. \$3, 50 lbs. \$12.

GREENHOUSE FUMIGANTS AND INSECTICIDES

Cyanogas G Fumigant. Generates deadly hydrocyanic acid gas. Controls aphids, thrips, white fly. Scatter on greenhouse walks and close the house for the night. 5 lbs. \$3, 25 lbs. \$10, 100 lbs. \$25.

Fume Tobac. Tobacco powder (2 per cent nicotine) for burning in greenhouses. Economical where heavy fumigation not required. 25 lbs. \$5, 100 lbs. \$16.

Lethane 440. A synthetic preparation for combating Red Spider and Mealy Bug. Qt. \$2.50, gal. \$7.50.

Nico-Fume Liquid. Free nicotine. For killing most soft-bodied insects. Lb. \$2.75, 4 lbs. \$6.50, 8 lbs. \$11.50.

Nico-Fume Powder. 1-lb. can will fumigate 25,000 cu. ft. $\frac{1}{2}$ lb. 60 cts., lb. \$1, 5 lbs. \$3.75, 10 lbs. \$6.50.

Rotene Insect Spray. Ideal for greenhouse use; see description on page 134. 1 teaspoon to 1 gal. water, 1 oz. to 8 gals. Oz. 35 cts., 4-oz. bottle \$1, pt. \$2.50, qt. \$4, gal. \$13.50.

Tobacco Stems. For fumigating and placing under benches. High nicotine content. Bale (about 100 lbs.) \$4.50, 5 bales \$20, 20 bales \$50.

WEED-KILLERS

Atlacide. Powder; non-poisonous. Destroys all vegetation. Late summer and fall applications give best results. Use as a dust or in water. 1 to $1\frac{1}{2}$ lbs. per 100 sq. ft. (in 1 gal. water if preferred). 5 lbs. \$2, 15 lbs. \$4.50, 50 lbs. \$8.50, 100 lbs. \$15.

Calcium Chloride. For binding roadways. Absorbs moisture from the air; keeps surface damp during dry weather; reduces sun-glare; avoids surface cracks. Used on paths, driveways, tennis courts, playing-fields. Keeps down weeds. Use one pound per 10 square feet; repeat at half rate when surface becomes dry. 100 lbs. \$3, 400-lb. drum \$10.

Climax Lawn Sand. A combination of chemicals. Destroys weeds in lawns. Use 5 ozs. per square yard. 3 $\frac{1}{2}$ -lb. can \$1, 7-lb. can \$1.85, 14-lb. can \$3.25, 28-lb. pkg. \$6, 56-lb. keg \$10.

Iron Sulphate. Controls dandelions, plantains, and other weeds in acreage turf. Dissolve 275 pounds in 150 gallons of water and spray one acre. Repeat every two weeks till the weeds disappear. 5 lbs. \$1.25, 25 lbs. \$4, 100 lbs. \$12.

Meo-181. Eradicates dandelions, crab grass, plantain, and other weeds. Use as a spray out of the container, undiluted. One gallon covers 200 sq. ft. Gal. \$1.55.

Purfeck Chickweed Eliminator. Kills chick- and other mat-weeds; does not injure grass. Dilute and spray the turf, avoiding hot weather; early spring or late fall are best. One qt. in eight parts water covers 450 sq. ft.; 1 gal., 1800 sq. ft. For light infestations quantity will cover twice the area. Every garden can rid itself of this pest with Purfeck. Qt. 75 cts., gal. \$2, 5 gals. \$9, 10 gals. \$17, 50 gals. \$60.

Noxweed. Contains 5 pounds of sodium arsenate to the gallon. Apply by watering-can or sprayer. Harmless to stone, wood-work or shoes. One thorough application will destroy all vegetation. 1 qt. diluted treats 200 sq. ft. and 1 gal., 800 sq. ft. Qt. 75 cts., gal. \$2, 5 gals. \$8, 10 gals. \$14.50, 30 gals. \$36, 55 gals. \$55.

Sodium Arsenite. Most effective on plantains, dandelions and chickweed, knotweed, speedwell and self-heal. Applications of from 2 to 8 ounces to 1000 square feet have been effective without injury to the grass—the higher amount only during cool weather. May be dissolved in water, 1 ounce to 2 gallons or mixed 1 ounce to 25 pounds of sand and applied dry. Lb. 50 cts., 5 lbs. \$2, 15-lb. tin \$3.75, 50-lb. drum \$10.50, 100-lb. drum \$20.

INSECTICIDES AND SUNDRIES

NOTE: On orders for Insecticides and Fungicides over \$2 in value, with exception of 30 and 50-gal. drums and items not listed in our Catalogue, we prepay to points within 50 miles of New York City. If value of order is \$2 or less, or if shipment is made beyond 50 miles of New York City, customer pays transportation charges on arrival. We send by express items not mailable.

FOR ANTS, MOLES, RATS, MICE, AND OTHER RODENTS



MOLEFUME

Molefume. A non-poisonous cartridge that liberates a deadly smoke. Very effective against moles, rats, gophers, woodchucks, hornets and wasps. Non-injurious to vegetation. Harmless to humans and pets. Simply ignite cartridge and place horizontally in runway. Use one cartridge every 15 to 25 feet. Box of 6 cartridges 90 cts., 5 boxes \$4.25, 10 boxes \$8. (Individual cartridges 20 cts. each.)

Ant Bait (Magikil Jelly). Press tube and allow $\frac{1}{4}$ inch of the jelly to rest on side of ant-hill. Also can be applied generally every 4 feet around the house, garden, or lawn. 1-oz. tube 35 cts., 3-oz. tube 85 cts., 7 $\frac{1}{2}$ -oz. tube \$1.75.

Ant Powder. Very effective for ridding lawns and shrubbery of ants. Simply dust lightly around the infested areas. 3 ozs. 35 cts., lb. \$1.25.

Ant Traps. Destroys all species of ants. A metal container with safety feature. Can be used indoors as well as outdoors. 25 cts. each, \$2.75 per doz.

Carbon Disulphide. Poisonous and explosive. For ants in lawn and walks. Apply to ant-hills with funnel and skewer, using a tablespoon to each ant-hill. 1-lb. can 75 cts., 5 lbs. \$3.

Cyanogas Ant Killer. A powder that flows freely. Use outdoors only. Simply insert spout of can and pour into ant-hill. Cover hole. 4-oz. can 30 cts., \$3.25 per doz.

Cyanogas A Dust. Gas kills ants, rats, moles, and woodchucks instantly. Use outdoors only. The Sawco Sr. Dust Gun shown on page 131, fitted with rubber hose, is specially recommended for applying this material. $\frac{1}{2}$ lb. 45 cts., lb. 75 cts., 5 lbs. \$3, 25 lbs. \$10, 100 lbs. \$25. Dust Gun \$3. Foot Pump for large users, \$7.50.

Molo. A mole remedy in tablet form. Place a tablet in runway every 6 feet. Poison—handle with gloves. Box of 12 tablets 35 cts., \$3.50 per doz. boxes.

Nomole. An impregnated, poisoned seed-bait very attractive to moles. Simply pour a spoonful every few feet in the runway and they will eat it readily. 14-oz. can \$1.35.

Mouse Cereal. Little seeds impregnated with a deadly poison. A quick, tidy way to get rid of mice. 2 $\frac{1}{2}$ -oz. pkg. 35 cts., \$3.50 per doz.

Naphthalene Flakes. After setting bulbs, sprinkle lightly with flakes and cover with soil. Protects bulbs against ravages of moles and field-mice. Lb. 35 cts., 5 lbs. \$1.50, 25 lbs. \$5.50, 100 lbs. \$18.

Rat Paste. A red squill non-poisonous rat-killer. Very effective where poisons cannot be used. Contains Vitamin B and C attractive to rats. Use on bread and chopped meat. Leaves no odor behind when they die. 6-oz. glass jar \$1.25.

Rat Wheat. Poison wheat grains blended and treated with flavor. Can be used as is or mixed with chopped meat or fish. 14-oz. package \$1.

SEED- AND SOIL-DISINFECTANTS

FORMACIDE. A dust treatment for the pasteurization of the soil and disinfection of the seed against damping-off. Formaldehyde gas escapes from the dust when it is mixed with soil and permeates the soil completely. Use $\frac{1}{2}$ ounces per square foot in seed-flats, 2 to 3 ounces per square foot in greenhouse benches where soil is 4 to 6 inches deep. Do not sow seed or plants for 3 to 5 days after application. $\frac{1}{2}$ -lb. can 50 cts., lb. 85 cts., 5 lbs. \$2.50, 25 lbs. \$10, 50 lbs. \$17.50.

Formaldehyde, Liquid. Principally used for fungus and rot on oats, barley, rye, wheat, millet, sorghums, cucumber, and lettuce. Also very effective against scab and black scurf on seed potatoes. Use 2 tablespoonfuls to 1 gallon of water, 1 pint to 15 gallons. 1-pt. bottle \$1.

2% Ceresan. For the control of seed-borne diseases of cotton, narcissus, and bulbous iris. Helps to prevent rotting of seed in cold, wet soils. One-pound treats 5 to 8 bushels of seed. Use liquid treatment for narcissus and bulbous iris. Lb. 75 cts., 5 lbs. \$3.30, 25 lbs. \$14.50, 100 lbs. \$52.

New Improved Ceresan. For control of bunt or stinking smut of wheat, oats, barley and sorghums. One ounce treats 2 bushels of seed; 1 pound, 32 bushels 4 ozs. 30 cts., lb. 80 cts., 5 lbs. \$3.40, 25 lbs. \$15, 100 lbs. \$55.

Semesan. A general mercurial disinfectant for vegetable and flower seeds or bulbs, and certain plant diseases such as root-rot and damping-off. Applied either as a liquid or dust. Use a pinch to a packet of seed, $\frac{1}{2}$ teaspoonful to 1 pound of seed. 2 ozs. 40 cts., lb. \$2.50, 5 lbs. \$11.40, 25 lbs. \$52.50, 100 lbs. \$198.

Semesan Jr. A new dust disinfectant for seed corn. Generally increases stands and yields. Harmless to seed and is quick and easy to apply. Use 4 level tablespoonfuls to 1 bushel, 1 pound to 8 bushels. 4 ozs. 30 cts., lb. 75 cts., 5 lbs. \$3, 25 lbs. \$12.50, 100 lbs. \$45.

Semesan Bel. For the control of scab and rhizoctonia carried on white seed potatoes and to prevent stem rot and scurf of sweet potatoes. Helps to reduce seed-piece decay. A quick, easy dip that eliminates long-soaking treatments. Use 1 level tablespoonful to 2 $\frac{1}{2}$ bushels, 1 pound to 60 bushels. Also very effective on gladiolus corn rot. Soak gladiolus bulbs in solution of 2 level teaspoonfuls to a gallon of water for 7 hours. 2 ozs. 30 cts., lb. \$1.65, 5 lbs. \$7.15, 25 lbs. \$33.25, 100 lbs. \$125.

COPPER OXIDE, RED. A powder for treating seeds before planting to protect against rot. Simply mix powder with seeds in jar thoroughly coating them. Sift out excess powder and plant. $\frac{1}{2}$ lb. 75 cts., lb. \$2.50.

SUNDRIES

Crow Repellent. Seed-preserver for corn. Small can, enough for 1 bus., 60 cts.; large can, enough for 2 bus., \$1.

Chaperone. (Liquid.) For outdoor use. Spray on hedges, garbage cans or other places from which you want to keep dogs away. Rains will not reduce its efficacy. Use as is from the bottle in a small sprayer. 4 ozs. 50 cts., 12 ozs. \$1.

Dust Respirator. Light and comfortable. Quickly adjustable. \$3.

Graftex. A new grafting compound. Can withstand extreme summer heat or severe winter cold. $\frac{1}{2}$ -lb. can 50 cts., 5 lbs. \$4.25.

Grafting Wax. Used for grafting, budding, top-working, etc., of all trees. $\frac{1}{4}$ lb. 20 cts., $\frac{1}{2}$ lb. 35 cts., lb. 65 cts.

Grafting-Wax Melter. $\frac{1}{2}$ -gal. size \$6.25, gal. size \$7.25.

Lime, Chemical. For use with Arsenate of Lead, Bordeaux, and many other sprays. Also for whitewashing. 5 lbs. \$1; 25 lbs. \$3; 100 lbs. \$7.50.

Poison Ivy Lotion. Developed by physicians of the Public Health Service. Very effective. 50 cts.

Poison Ivy Preventative. A vanishing cream releasing tiny bubbles of oxygen which combine with the specific agent of the plant poison rendering it less irritable. A good preventative against poison ivy, not a cure. 75 cts.

Styptic. To prevent bleeding of vines after pruning. Bottle \$2.

Tree Cavity Fill. A powder—merely add water to bring it to a plastic consistency. More adhesive and flexible than cement and mortar. Lb. 75 cts., 5 lbs. \$2.50, 10 lbs. \$4.50, 25 lbs. \$10, 100 lbs. \$37.50, 150 lbs. \$45.

Tree Wound Paint. Prevents decay. Penetrating, antiseptic Paint not affected by heat, cold, or moisture. Does not peel or crack. Stops bleeding. For cavities use it in conjunction with Tree Cavity Fill. Pt. 35 cts., qt. 65 cts., gal. \$1.75, 5 gals. \$7, 10 gals. \$13, 30 gals. \$37.50, 50 gals. \$42.

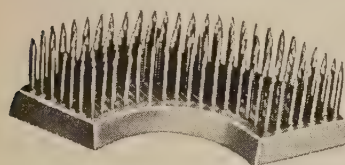
Turpentine. Pure gum turpentine. Ideal for painting greenhouse benches against many insects and insect larvae. Also a valuable ingredient mixing with paint. Pt. 35 cts., qt. 50 cts.

Sawco Tree Wrap. A waterproof crinkled paper 4 in. wide, 155 ft. to the roll. Protects the trunks of newly planted fruit and shade trees against frosts, sun scald, borer attack and rodents. Adjusts itself to the contour of tree trunks and expands to accommodate growth. Roll 75 cts., 10 rolls \$6.50, 20 rolls \$11.

Magitex Dog Soap. A new departure from the ordinary Dog Soaps. Simply mix a little of the soap in a cup of water, beat with an egg-beater, then sponge dog with lather and wipe off with a towel. Leaves a very glossy coat, is sweet-smelling, and frees your dog from lice, mites, and ticks. 4-oz. bottle 60 cts.; 8-oz. bottle \$1.

U-Mix-It. A pulverized high-melting-point asphalt blended with Gilsomite. Mixed with stone accumulated in the garden, it will make a permanent garden path. Simply mix material with sand and white gasoline. Five pounds will cover 15 to 20 square feet $\frac{1}{4}$ inch thick. 5 lbs. 75 cts., 15 lbs. \$1.50, 100 lbs. \$8.

FOR ARTISTIC FLOWER ARRANGEMENTS



CURVED SPIKE HOLDER

Size $3\frac{1}{2} \times 1$ in., 65 cts. Three of these make a ring 4 inches in diameter, with an open center.



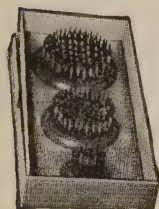
ADJUSTABLE RING HOLDERS

Illustration shows how this device may be used in three positions—high, medium or low.

Diameter	Price	Diameter	Price
4 in.	\$1 25	$5\frac{1}{4}$ in.	\$1 75
$4\frac{1}{4}$ in.	1 50	7 in.	2 75

OVAL ADJUSTABLE RING HOLDER

(Not illustrated.) $3 \times 5\frac{1}{4}$ in., \$1.25



OVAL SPIKE HOLDER. (Not illustrated.) $1\frac{1}{2} \times 3\frac{1}{2}$ in., 65 cts.

SET OF THREE SPIKE UNITS. (Not illustrated.) One square piece and two half circles; may be used separately or combined to make round-ended oblong. $1\frac{1}{2}$ in. wide; $3\frac{1}{2}$ in. long, \$1.25.

SET OF SIX SPIKE UNITS. (Not illustrated.) Triangular, interlocking pieces which may be used separately or combined to form a hexagon $3\frac{1}{2}$ inches across. \$2.

ASSORTMENTS OF FLOWER HOLDERS

Ideal gifts for the flower lover.

Box (100). (Left.) Contains three Round Spike Holders, $1\frac{1}{2}$ in., $2\frac{1}{4}$ in., and $2\frac{3}{4}$ in. \$1.25.

Box (150). (Right.) Contains one 4-in. Adjustable Ring Holder, one $1\frac{1}{2}$ -in. Spike Holder and one $2\frac{1}{4}$ -in. Spike Holder. \$1.75.

Floralife

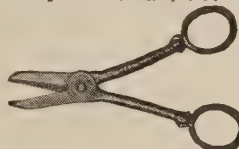
Cut-flowers last long and stay fresh with Floralife. With the addition of 10 ounces of sugar, each package makes 10 quarts of solution. Tube 35 cts., 10 tubes \$3.50.



Garden Club Flower Gathering Shears (Right). Nickel plated. \$2.

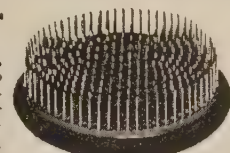
Both the above grasp the stem of the flower when severed from the plant.

Flower Gathering Shears (Left). Nickel plated. 7 in. \$2.75.



Beagle Flower Holder

Made of rustproof metal and heavy, they stand in water and enable you to display your flowers in a natural, prize-winning manner. The effect of your arrangement is determined largely by how you place the stems. Beagle holders enable you to set them just where you want them. There are spike types in round, oval and curved shapes and ring types that are adjustable. You should have several of these and use the ones that are the most appropriate. Also available are sets of spike-units, which interlock and which may be used individually or combined to make circles, ovals or round-ended oblongs.



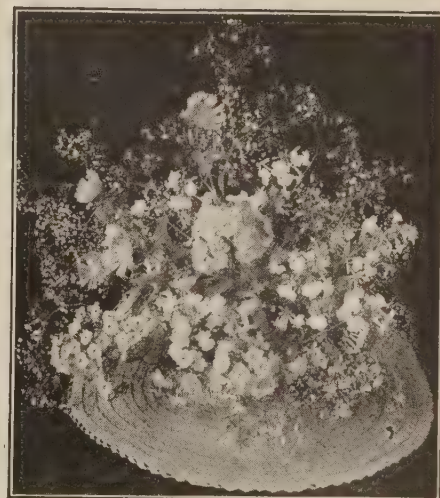
ROUND SPIKE HOLDERS.

Diameter	Price	Diameter	Price
$1\frac{1}{2}$ in.	\$0 25	$2\frac{3}{4}$ in.	\$0 65
$1\frac{3}{4}$ in.	35	$3\frac{1}{2}$ in.	85
$2\frac{1}{4}$ in.	50	4 in.	1 25

SPLIT-ROUND SPIKE HOLDER. (Not illustrated.) Consists of a set of two half circles which may be used separately or combined to make a circle 2 inches across. The pair, 65 cts.

DOUBLE-ROUND SPIKE HOLDERS. Consist of a set of two interlocking units, one complete circle, another half moon; may be used separately or combined to make an oval.

Small, 2×3 in.	\$0 85
Large, $2\frac{1}{2} \times 4\frac{1}{8}$ in.	1 35



Perennial Plants

needed to produce this flower arrangement from your own garden:

- 1 Phlox, Eva Foerster (center)
- 1 Phlox, Marie Louise (right)
- 1 Phlox, Dr. Klemm (left)
- 3 Stokesia lilacina
- 3 Gypsophila, Bristol Fairy

Catalogue value \$3.70

COLLECTION 118 M, \$3.25

See page 102 for other Flower Arrangements

A Good Book

THE PRINCIPLES OF FLOWER ARRANGEMENT. By E. A. White. For the up-to-date hostess, and all who delight in displaying flowers to their fullest beauty. 200 pages, 6 color plates, 65 illustrations. Handsome cover. Price, \$3.

FLORISTS' BOUQUET WIRE. This is the annealed wire that twists easily and stays in whatever shape you bend it. Sometimes used for arranging displays. In 12-in. or 18-in. lengths, per $\frac{1}{2}$ lb., 50 cts.

PRESERVE YOUR FRUITS AND VEGETABLES

IN A SPECIAL PRESSURE COOKER



Special Pressure Cooker

The Special Pressure Cooker is a steam boiler adapted to home use. It may be employed in the preparation of everyday meals also. High pressures and high temperatures sterilize and cook rapidly; time and fuel are saved, vitamins and valuable salts are retained.

Special Pressure Cookers

Made of steel, lightweight, strong, large capacity. Equipped with safety features, they are explosion-proof.

Seven-Quart Size. For small home use. \$17 50

Fourteen-Quart Size. For quantity canning. \$22 50

Complete with canning rack, inset pans, supports, hot-lift tongs and complete instructions.



BALL ECLIPSE WIDE-MOUTH GLASS JARS

Qt. size

Doz. \$2.25

Pt. size

Doz. \$1.75



GLASS LIP

Doz. 45 cts.



PERFECT SEAL RUBBERS

Doz. 25 cts.



TALL

BALL JELLY GLASSES

Tall, $\frac{1}{2}$ pt. Doz. \$1.25

$\frac{1}{2}$ pt. Doz. \$1.

Squat, $\frac{1}{2}$ pt. Doz. \$1.25

$\frac{1}{2}$ pt. Doz. \$1.



SQUAT

FERTILIZERS, MANURES, SOIL INGREDIENTS

Note. Fertilizers in lots of 25 lbs. or more are delivered free within 50 miles of New York City by truck, mail, express, or freight, at our option. In lesser quantities customer pays transportation.

SAWCO

Emerald Grass Fertilizer

Several applications of Emerald Grass Fertilizer ensure a beautiful lawn and a most wonderful putting-green. When building a lawn, from 1 ton to 1½ tons per acre (minimum, 50 pounds per 1000 square feet) should be harrowed or raked into the upper surface. Every spring and early autumn existing lawns may be given a dressing of 500 to 1000 pounds per acre (25 pounds per 1000 square feet); when applied as a top-dressing to turf, it is best to mix the Emerald Grass Fertilizer with four times its bulk of fine soil or sand before broadcasting. 5 lbs. 50 cts., 10 lbs. 90 cts., 25 lbs. \$1.75, 50 lbs. \$3.25, 100 lbs. \$5, 500 lbs. \$22.50, 1000 lbs. \$40, ton \$75.

SAWCO

Rose Food

A plant-food of specially compounded ingredients beneficial and desirable for the proper growth of roses and the eradication and control of root-pests. For new plantings, use one trowelful of Sawco Rose Food thoroughly mixed with the soil. For established plantings, a liberal dusting in the early spring and late fall is recommended. Work into the soil with rake or hoe. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50, 1000 lbs. \$45, ton \$80.

SAWCO

Chrysanthemum Food

(An old English formula.) All organic; not immediately soluble. A plant-food for Chrysanthemums, Pelargoniums, Cinerarias, other greenhouse plants. Mix 5 pounds to a wheelbarrow load of soil. For potting plants. Follow with occasional light top-dressings. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6.

SAWCO

SAWCONITE

An economical fertilizer for large areas of turf. It is designed to feed the desirable grasses and it contains all the food elements required by them. In it there is no make-weight material; its ingredients are partly organic and partly mineral.

Use at the rate of from 1000 to 2000 pounds per acre when preparing new land. Take care that it is mixed with the soil no deeper than 3 inches. To improve existing turf use one-half this quantity, broadcast evenly through a Fertilizer Sower. 100 lbs. \$4, 500 lbs. \$17.50, 1000 lbs. \$30, ton \$50.

SAWCO

NIKOFOOD A Tobacco Fertilizer

Contains every plant-food element required for growth in a slowly available form, especially potash. Recommended for all garden use, especially as a top-dressing for lawns. 50 lbs. per 1000 square feet may be applied several times a year to produce a healthy deep green turf. Insects dislike tobacco, the chief ingredient, and the use of Nikofood is advised as a partial protection against chinch-bug. 50 lbs. \$3, 100 lbs. \$5, 500 lbs. \$22, ton \$65.

For lawns and golf putting-greens. A well-balanced organic chemical formula of the purest ingredients, designed to feed grasses and to keep them in a healthy condition.

SAWCO

General Garden Fertilizer

For vegetables, flowers, and fruit. Recommended strongly as the best for all-round work in the garden. Use it at the rate of 1000 pounds to the acre or 3 ounces to the square yard when preparing land for planting in the spring. Good practice, too, is to spread General Garden Fertilizer between the rows of plants when they are growing and then to hoe it into the soil; use about 3 pounds per 100 running feet for this, repeating every month. When planting beans, cucumbers, etc., in hills, a handful worked into the soil under the hill will be a great help, and the same thing may be done when planting tomatoes, cabbages, peppers, peonies, etc. Before sowing seeds in rows a little General Garden Fertilizer may be placed in the drill and the soil stirred to mix it thoroughly. 5 lbs. 50 cts., 10 lbs. 90 cts., 25 lbs. \$1.75, 50 lbs. \$3.25, 100 lbs. \$5, 500 lbs. \$22.50, 1000 lbs. \$40, ton \$75.

SAWCO

Dahlia Food

A fertilizer specially prepared for Dahlias. Rich in potash and also contains sufficient nitrogen and phosphoric acid properly blended to give only best results. Mix a handful with the soil thoroughly before setting tubers and later top-dress with liberal applications worked into the soil, especially as soon as buds are beginning to form. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50, 1000 lbs. \$45, ton \$80.

SAWCO

SAWCONURE

An organic fertilizer containing peat-moss, cow-manure, and poultry manure, air-dried. Feeds plants and builds soil. Free from weed seed. For gardens, lawns, and golf putting-greens. Use 25 pounds or more per 1000 square feet, one-half ton or more per acre, for existing grass, and from 50 pounds to 100 pounds per 1000 square feet when preparing land for seed. For gardens, vegetables, and flowers, use 100 pounds per 1000 square feet. 50 lbs. \$3, 100 lbs. \$5, 500 lbs. \$20, 1000 lbs. \$35, ton \$65.

SAWCO

Acidulous Fertilizer

A plant-food and soil-acidifier for rhododendrons, azaleas, mountain laurel, blueberries, cranberries, and many other acid-loving plants. Acidulous Fertilizer has been compounded very carefully, and will produce healthy and vigorous plants. Apply at the rate of ¼ pound per square yard, and rake well into the soil. For best results, apply at least three times during the season. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50, 1000 lbs. \$45, ton \$80.

SAWCO

SAWCOSOIL A Fortified Topsoil

To fine screened soil, we add mushroom manure, humus and sand. The resulting mixture is excellent for top-dressing putting-greens and lawns, allowing 500 lbs. or more per 1000 square feet. Ideal for filling window-boxes, flower pots, greenhouse benches and for city gardens. 5 lbs. 35 cts., 25 lbs. \$1.25, 100 lbs. \$3, 500 lbs. \$10, ton \$25. In bulk, three tons (minimum quantity), \$18.50 per ton; 4 to 9 tons, \$16.50 per ton.

THE TREEWIZ CARTRIDGE

A slowly available, high-analysis tree-food in cartridge form for restoring weakened trees and shrubs to their natural healthy state—economically, conveniently, and safely. No danger of root-burning or overfeeding. Cartridges last an entire season in the soil.

Carton (4 large tree-food cartridges) for shade and fruit trees, \$1; \$20 per 100 cartridges. Carton (8 small tree-food cartridges) for evergreens and shrubs, \$1; \$9.50 per 100 cartridges.

Also in bulk. 5 lbs. \$1, 10 lbs. \$1.50, 25 lbs. \$3, 50 lbs. \$5, 100 lbs. \$8, 500 lbs. \$35, ton \$110.

Orders for one ton or more of assorted fertilizers at the ton rate, provided 500 pounds of a brand are ordered.

For quantities in excess of one ton, write for our special prices

GENERAL LIST OF FERTILIZERS

Note. Fertilizers in lots of 25 lbs. or more are delivered free within 50 miles of New York City by truck, mail, express, or freight, at our option. In lesser quantities customer pays transportation.

Adco. Add it to garden rubbish, leaves and grass clippings to hasten decay and quickly produce manure. 7½-lb. pkg. \$1, 25 lbs. \$2.25, 150 lbs. \$10.50.

Aluminum Sulphate. Makes soil acid. Used in the culture of rhododendrons and similar plants. Follow with Sawco Acidulous Fertilizer. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50.

Ashes, Canada Hardwood. These furnish potash. May be broadcast between rows of vegetables, 10 pounds per 100 feet. 5 lbs. 75 cts., 25 lbs. \$2, 100-lb. bag \$5, bbl. (about 200 lbs.) \$8, ton \$50.

Blood, Dried. Adds nitrogen and phosphoric acid. Much used for greenhouse plants. Acts quickly. 5 lbs. \$1, 10 lbs. \$1.75, 25 lbs. \$3, 50 lbs. \$4.50, 100 lbs. \$8, 500 lbs. \$35, ton \$110.

Bone, Vineyard. Large particles of bone, ¼ to ½ inch, make an ideal fertilizer for grape-vines and fruit trees. 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50, ton \$80.

Bonemeal. Mixed fine and coarse. (For general use.) Recommended for the garden and for lawns. The standard food for roses; much used on hay and pasture fields. Use 1500 pounds per acre or 5 ounces to the square yard, dug or raked into the soil; use one-half this rate when top-dressing grass. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2.50, 50 lbs. \$4, 100 lbs. \$6, 500 lbs. \$27.50, 1000 lbs. \$45, ton \$80.

Cattle Manure, Shredded. A soil-builder and ideal mulch that is especially recommended for crops in hot, sandy soils. Also ideal for mulching perennial beds. 100 lbs. \$6, 500 lbs. \$27.50, 1000 lbs. \$40, ton \$75.

Charcoal. Sweetens and lightens sour and heavy soils; helps to dry out wet land. Frequently used for lawns on soils in this condition. 50 lbs. \$3.50, 100 lbs. \$6, 500 lbs. \$25, 1000 lbs. \$40, ton \$70.

Clay's Fertilizer. Imported. Has a splendid reputation for flowers, vegetables, and fruit. 7 lbs. \$2.50, 14 lbs. \$3.50, 28 lbs. \$5.25, 56 lbs. \$9.50, 112 lbs. \$16.50.

Colchicine. It doubles the Chromosomes. Influences cell-development, affecting the heredity, resulting in gigantism and other malformations in plants, mutations, etc. Has wonderful possibilities for hybridists. Highly poisonous, may have effects on human body. Use gloves and do not inhale when using as a spray. 5 grains \$1, 15 grains \$2.25, ½ oz. \$5.

Cottonseed Meal. Rich in nitrogen and potash; suitable for grain crops, but most largely used on lawns. Use ¾ to 1½ tons per acre. 5 lbs. 75 cts., 25 lbs. \$2.50, 100 lbs. \$6, 500 lbs. \$27.50, 1000 lbs. \$45, ton \$80.

Fertera. A highly concentrated plant-food for house plants in tablet form. Contains 13 per cent Nitrogen, 17 per cent Phosphoric Acid, 22 per cent Potash. 100-tablet size 75 cts., 1000-tablet size \$3.50.

Floralife. Makes cut-flowers stay fresh. With the addition of 10 ounces of sugar, each tube makes 10 quarts of solution. Tube 35 cts., 10 tubes \$3.50.

Kern. A complete liquid plant-food. Merely dilute with tap-water. Use 1 tablespoonful to 2 quarts water, 8 tablespoonfuls to 3 gallons water. Feed to your potted plants. Qt. 60 cts., gal. \$1.25, 5 gals. \$4.50.

Lawn Sand, Climax. For killing weeds in lawns, especially chickweed and mouse-ear. 3½-lb. can \$1, 7-lb. can \$1.85, 14-lb. can \$3.25, 28-lb. pkg. \$6, 56-lb. keg \$10.

Horn Dust. Rich in ammonia. For greenhouse benches and potting. 100 lbs. \$7.

Legume-Aid. Nitrogen-fixing bacteria in powder form for all leguminous plants. Specify size of unit and name of seed.

Alfalfa, all Clovers. ½-bus. size 30 cts., 1-bus. size 50 cts., 2½-bus. size \$1. **Vetch, Austrian Winter Peas, Field and Garden Peas, Soy Beans, Cow Peas, Lespedeza, Beans, Peanuts, Lima Beans.** 1-bus. size 35 cts., 2-bus. size 65 cts., 5-bus. size \$1.25.

Garden Group. For Sweet Peas, Lupins, Garden Peas, and Beans. Treats up to 15 lbs. seed, 35 cts.

Lime, Agricultural Hydrated. Specially Prepared For Horticultural Purposes. Corrects acid conditions of the soil. Binds loose soils and opens a heavy land. Quick acting. Broadcast 1 ton to the acre or 6 ounces per square yard. 5 lbs. 35 cts., 10 lbs. 60 cts., 25 lbs. \$1.25, 50 lbs. \$2.25, 100 lbs. \$3.50, 500 lbs. \$15, ton \$32.50.

Limestone, Pulverized. 10 lbs. 50 cts., 100 lbs. \$2.50, 500 lbs. \$10, ton \$25.

Muriate of Potash. Excellent for potatoes, corn, grains, etc. Use from 350 to 750 pounds per acre. 5 lbs. \$1, 10 lbs. \$1.75, 25 lbs. \$3, 100 lbs. \$8.50.

Nitrate of Soda. A plant stimulant. Adds nitrogen immediately available to the plants. Forces a heavy, succulent growth in lettuce and similar leaf vegetables. Use 1½ ounces per square yard, or 500 pounds to the acre. As a liquid fertilizer, one ounce in one gallon of water. Lb. can 25 cts., 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2.50, 50 lbs. \$4, 100 lbs. \$6, 500 lbs. \$25, 1000 lbs. \$40, ton \$70.

Plant Dinner. Odorless powder, easy to use. Contains a complete, nourishing food for house plants. Dissolve 2 teaspoonfuls to a gallon of water and apply once per week. 6 ozs. 75 cts., lb. \$1.75.

Salt, Agricultural. Occasionally used as a top-dressing for asparagus. Also effective as a weed-killer on roadways, paths, etc. 100 lbs. \$3.25, 500 lbs. \$11, ton \$32.50.

Sheep Manure. A pure, natural, nutritious manure, immediate and lasting in effect. In flower or vegetable bed, use liberally and incorporate well with the soil. It is also very valuable as a liquid manure and can be used at all times with safety. Contains no weed seeds. 5 lbs. 60 cts., 10 lbs. \$1, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$5, 500 lbs. \$22.50, 1000 lbs. \$35, ton \$65.

Stim-U-Plant. Fertilizer in tablet form. 30 tablets 30 cts., 100 tablets 75 cts., 500 tablets \$2.50, 1000 tablets \$3.50.

Sulphate of Ammonia. For lawns, use 1 oz. per square yard, mixed with several times its bulk of soil. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2.50, 50 lbs. \$4, 100 lbs. \$6, 500 lbs. \$25, 1000 lbs. \$40, ton \$70.

Sulphate of Potash. 5 lbs. \$1, 10 lbs. \$1.75, 25 lbs. \$3, 100 lbs. \$8.50.

Super-Phosphate. Adds phosphoric acid and lime. 5 lbs. 35 cts., 25 lbs. \$1.25, 100 lbs. \$3, 500 lbs. \$10, ton \$27.50.

Take-Hold. Plant starter powder. Analyzing 10-52-17. A properly balanced plant-food. Ideal for pot-grown and bare-root plants. Establishes plants quickly and has marked effect in promoting early maturity. Dissolve 3 ounces to 3½ gallons water, 3 pounds to 50 gallons water. 6-oz. bottle 35 cts., 20-oz. bottle \$1.

Tan Bark, Spent. Used for bridle-paths, garden paths and around rock-gardens. 100 lbs. \$5, 500 lbs. \$22, ton \$65.

Tankage (Blood and Bone). 7 per cent nitrogen. 100 lbs. \$6, 500 lbs. \$27.50, ton \$80.

Tobacco Stems. Feeds, protects, retains moisture, deters insects. Use 1 to 1½ pounds to the square yard. Bale (about 100 lbs.) \$4.50, 5 bales \$18.50, 20 bales \$50.

Urea. 46 per cent nitrogen. 5 lbs. \$1.25, 10 lbs. \$2.25, 25 lbs. \$4.50, 100 lbs. \$13.50.

Vitamene (Vitamin B-1). Germinates seeds much earlier. Cures ill and scrawny plants. For indoor plants use once weekly. Comes in grooved tablet form for easy separation and use. Bottle of 50 tablets \$1, 150 tablets \$2.50, 350 tablets \$5.

Humus, Peat Moss, Etc.

Mulch-o-Nure. Mixture of tobacco, peat, and plant-foods. Spread 1 inch thick around roses, grapes, shrubs, lilies, etc. Keeps roots cool, retains moisture, deters insects. 100 lbs. \$6, 500 lbs. \$27.50, ton \$75.

Humus. Soil ingredient, improving its texture, increasing its water-holding properties. For renovating old lawns, 100 pounds to 100 square feet. Double this quantity for making new lawns. 10 lbs. 50 cts., 50 lbs. \$1.50, 100 lbs. \$2.50, 500 lbs. \$10.50, ton \$30.

Leaf-Mold. Used for preparing rhododendron beds and as an ingredient in potting soil. 100 lbs. \$4.50, 500 lbs. \$18.50, ton \$50.

Moss, Sheet, Green. LIVE, bag (about 10 lbs.) \$5. DYED GREEN, dry, \$7.50.

Moss, Dry Sphagnum. Large bale \$4.

Peat, Osmundi. For orchids. Bag \$5.

Peat Moss, American. A sedge peat far superior to imported. Ideal for winter mulching of rose-beds, perennials and shrubs. Use liberally when making new lawns. In large cases (150 lbs.) \$4; 5 cases \$18.50; 10 cases \$35.

Peat Moss, Imported. In large bales, approximately 18 bus., \$5, 5 bales \$23.75, 10 bales \$45, cartons (2 bus.) \$1.25.

Sawco Soil. Ideal for filling window-boxes, flower pots, greenhouse benches and for city gardens. 5 lbs. 35 cts., 25 lbs. \$1.25, 100 lbs. \$3, 500 lbs. \$10, ton \$25. In bulk, three tons (minimum quantity), \$18.50 per ton; 4 to 9 tons, \$16.50 per ton.

THE ROOT-FORMING CHEMICALS

HORMODIN "B" POWDER. In three strengths to simplify the rooting of cuttings.

No. 1 (for most house and greenhouse plants such as carnations, chrysanthemums, roses, poinsettia, etc.) 1¼-oz. jar 50 cts., lb. \$3.

No. 2 (for shrub cuttings). 1¼-oz. jar 75 cts., lb. \$4.50.

No. 3 (for cuttings of evergreens and hardwood trees, and also bulbs). 1-oz. jar \$1, ½lb. \$4.50.

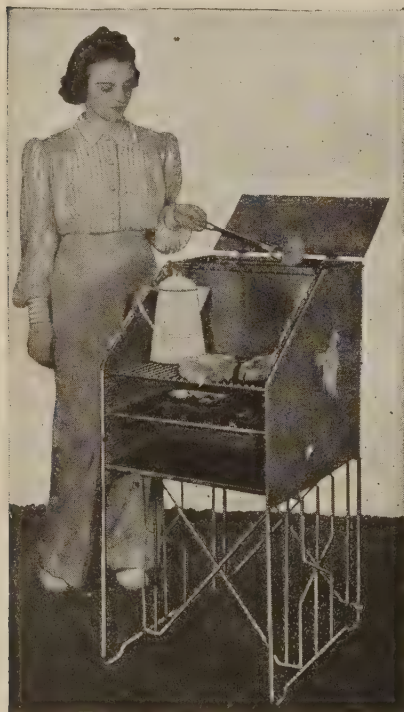
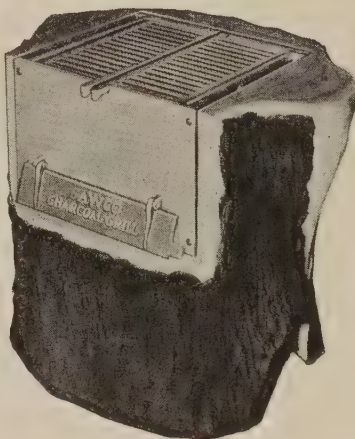
Combination package of Hormodin Powders No. 1, No. 2, and No. 3, 1 oz. complete 75 cts.

ROOTONE. A hormone powder. For rooting cuttings and dusting seeds. Place cuttings and seeds in powder and plant them. Speeds rooting, produces healthy plants, checks damping-off. Helps organic matter to increase hormones. ¼-oz. pkt. (for treating small lots of seeds and cuttings) 25 cts., 2-oz. jar (sufficient to treat up to 3000 cuttings) \$1, lb. jar (sufficient to treat up to 25,000 cuttings) \$5.

For Lovers of the Outdoors

Sawco Charcoal Grill

For parks, home-gardens, camps, clubs, and public picnic grounds. Ideal for perfect broiling of fish, steaks, chops, game, and fowl on the conveniently spaced bars of the grill. Will serve up to twenty people very quickly. Made entirely of fine gray stove cast-iron. Finished in aluminum enamel. Completely built into reinforced concrete natural-effect stump. Cooking surface 15 x 15 inches. Both grates swing open for easy feeding of extra charcoal or cleaning out. Overall dimensions of grill without stump, 18 inches wide, 17 inches deep, 11 inches high. Net weight, grill and stump, 150 pounds. \$43.50. Grill only, without stump, \$23.50.



Yard Chef

A portable outdoor fireplace. Cooks everything to suit your taste because you can adjust the heat. Includes open grill, solid griddle, oven and spit for barbecue. Only one piece to clean; removable combination grill-griddle. Removable tray to catch ashes. Three levels for spit, four levels for fire-pan. Spit has double skewer for holding meat, point end and easy grip handle. Not necessary to keep turning meat, just give quarter turn once in a while. Carton 42 x 42 x 4 inches. Setup 41 inches high, 18½ inches wide, 22½ inches front to back. Griddle solid plate 18 inches wide, 10 inches front to back. Oven 10 inches high, 18 inches wide, 9½ inches front to back. Cooking height 33 inches above ground. Fork: three prong, 18 inches overall of handle. Fire-pan handle 20 inches. Weight 50 pounds. \$15.

Sportsman's Grill



Really for the sportsman who likes to cook outdoors. It fries, broils and smothers. Made of high quality pig iron. Furnished complete with Fish-Fryer, Grill and Bail. Length 18¾ inches, width 10½ inches. Fish-Fryer 16¾ inches long by 8½ inches wide and 2 inches deep. Grill 7½ inches and 8¾ inches wide. Weighs complete with carrying handle 32 pounds. \$9.50.

Mosquito Larvacide

What! No mosquitoes? Exactly. Keeps mosquitoes away from three to five hours. A liquid preparation that is safe and harmless to yourself, pets and plants. Dilute one part to nine parts water and spray it on your lawn, shrubs and plants. Enjoy your garden outdoors without annoyance from mosquitoes. 1-gal. can \$1.75.



No. 100 De Luxe Gridiron

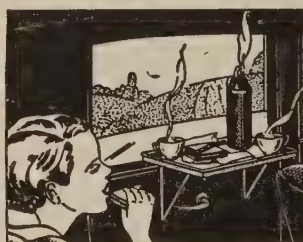
It is 10 inches high overall. Legs fold flat. The grill plate is 8 x 18½ inches, which is large enough to hold two frying-pans or two kettles. Comes with steel case with measurements overall of 21 x 9 x 4 inches. A compact, heavy-duty grill. Will last a lifetime. Weight 30 pounds. \$6.

The Charcoal Pail

Ideal for roasting and barbecuing. Grid for broiling, frying, or kettles. Completely constructed of cast-iron. Measures 11 inches across the top. Weight 20 pounds. \$5.75.



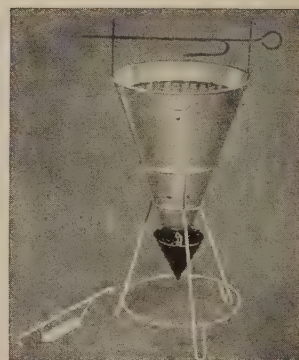
Auto Lunch Tray



Eat and drink comfortably in your own car. Fits all makes. Rubber tips protect finish. No screws or bolts necessary. Folds flat. A boon to elderly folks and especially young mothers with babies. Sanitary enamel finish. Tray measures 9¼ x 12¼ inches. \$1.25.

Portable Charcoal Broiler

A convenient unit for the picnic, lawn, or porch for broiling steaks, chops and roasting chicken. Cone shaped 30 inches high, 16 inches wide, 14 inches cooking surface. Ash-receiver catches all ash. Complete skewer set adjustable to four positions to easily handle any roasts. Ideal for barbecuing. \$12.75.



Portable Charcoal Broiler and Oven

A complete cooking unit always ready for use. Just add charcoal and light the conveniently attached wick for starting the fire. Ideal for lawn parties, picnics, or even for porch use. 30 inches high, 16 inches wide, 34 inches long, 14 inches diameter cooking surface. Has ample oven space for rolls, dishes, etc. Weight 43 lbs. Stainless steel top. \$24.50.



GIFTS



for **HOSTESSES
GOURMETS
INVALIDS**

**STUDENTS AT COLLEGE
BOYS AT CAMP
SALAD ENTHUSIASTS**

**ALL LOVERS
OF
FINE FOOD**

Cresca Early American Savories

Made according to authentic early Colonial recipes, of the same fine, rich ingredients as in olden days, prepared in small batches so each has a real "home made" flavor. Packed in hand finished and decorated glazed pottery crocks and bowls, quaint glass jars and jugs and smooth-rubbed maple finished containers that have a hundred after-uses . . . perfect for shower gifts, bridge prizes, house warmings, or to say a gracious "thank you."

Preserves, Conserves and Jellies in Grey-Blue or Brown Hand Decorated Covered Crocks

Blueberry and Lemon Marmalade — Sun-drenched blueberries, with a lemony tang.

Cherry and Orange Marmalade — An old-fashioned favorite with unusual flavor.

Bitter Sweet Orange Marmalade — Extra flavorful and tangy.

Damson Plum Preserve — From a fine old English Colonial recipe.

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Sweet Spiced Watermelon Rind — Spiced to a delightful nicety. 13 oz.

Sweet Chow-Chow — Cucumber, cauliflower

and quantities of good things, pickled and spiced. 12 oz.

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Orange Blossom — Heavy body, exquisite flavor.

Clover Blossom — Deliciously mild.

Buckwheat — Decided flavor, very thick.

11 oz. Bowls, \$1.00 Each

Sauces and Syrups in Batter Jugs (Soft blue-grey decorated pottery, matching crocks)

Raisin Sauce — To give a festive touch to ham, tongue, fowl and beef.

Pure Vermont Maple Syrup — Perfect with waffles, hot cakes, desserts.

14 oz., \$1.50 Each

Favorite Miscellanies

Tender, Young Stem Ginger in Syrup — In large decorated, footed Ginger jar.

1 lb. 3 oz., \$2.00 Each

Vinegar Chest. A handsome little maple chest with bottles of Red Wine, Sauterine Wine, Herb Salad and Tarragon Wine Vinegars. A find for salad lovers. \$2.00.

Down East Specialties in Canisters

Maine Yellow Eye Baked Beans with Pork; New England Brown Bread, 14 oz.; Maine Indian Pudding, 1 lb. **Each, 25c**
New England Fish Chowder, 17 oz.; Candied Yams in Heavy Syrup, 1 lb. 4 oz.; Fresh Country Scrapple, 1 lb. **Each, 35c**
Maine Clam Chowder, 1 lb. 12 oz. **45c**

Specially Packed Treat Boxes

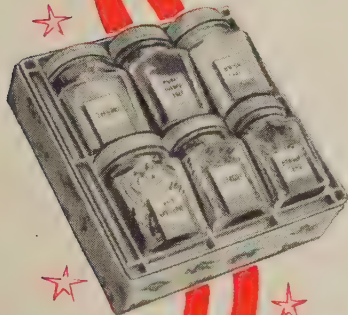
No. 1. — 3 Bowls of Assorted Honeys, Orange, Clover and Buckwheat **All Three \$2.75**
No. 3. — Conserve in Crock, Preserve in Crock, Jelly in Crock **All Three \$3.00**
No. 4. — Jelly in Crock, Maple Syrup in Batter Jug, Preserve in Crock **All Three \$3.50**

No. 5. — 2 Bowls Assorted Honey, Wine Jelly in Crock, Preserve in Crock, Tea in Batter Jug **Complete, \$5.00**

Box A — 1 Canister each of Maine Baked Beans, New England Brown Bread, Maine Cod Fish Cakes, Maine Indian Pudding **\$1.00**


Box B — 1 Canister each of Candied Yams, Fresh Country Scrapple, New England Fish Chowder, Maine Baked Beans **\$1.35**

Box D — 1 Canister each of Maine Baked Beans, New England Brown Bread, New England Fish Chowder, Fresh Country Scrapple, Maine Clam Chowder, Candied Yams. **\$2.00**



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BLACK BEAN SOUP WITH SHERRY—
Out of the ordinary and full of zest.

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PURE PRESERVES—Chock full of pure fruit and carefully made in the old-fashioned way. Bitter Seville Orange Marmalade, Cherry and Orange Marmalade, Tangerine Marmalade, Damson Plum, Peach and Pineapple, Apricot and Whole Red Cherry.

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Gooseberry, Black Bing Cherry, Blueberry and Seedless Black Raspberry,
40c, 3 for \$1.15

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Huge meaty Oregon cherries,

1 lb. 14 oz. tins, 55c—2 for \$1.05

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9 oz. jars, 35c—3 for \$1.00

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BEACH PLUM JELLY—Made from the juice of the Cape Cod Wild Beach Plum.

10 oz. jars, 25c—4 for 95c



PEACHES IN PORT WINE JELLY—

CHERRIES IN PORT WINE JELLY—

APRICOTS IN PORT WINE JELLY—A compute with meat or fowl. Also a dessert, with cheese.

1 lb. jars, 50c—2 for 95c

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ANTIPASTO—Fish and vegetables in a piquant sauce. Like you used to get in Europe.....3½ oz. jars, 50c—2 for 95c

ARTICHOKE HEARTS—Delicious as an appetizer or in salad.

13-16 in tin, 40c—2 for 75c

SPICED ARTICHOKE HEARTS—Tiny Artichokes in olive oil. For salads and hors d'œuvres plates.

4 oz. jars, 50c—2 for 95c

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Maraschino Flavor . . . perfect for "Old Fashions".....9 oz. jars, 35c—2 for 65c

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HORS D'OEUVRE PICKS—Colored toothpicks with gayer colored tops that may be replaced with fresh picks.

10 to packet, 25c

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3½ oz. jars, 50c—2 for 95c

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HORS D'OEUVRE OLIVES—Large Spanish Olives stuffed with Salmon, imported Anchovies, Capers and Almonds.

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EXQUISITE BIJOU STUFFED QUEEN OLIVES—Large Queen Olives stuffed with Pimientoes, Almonds, Onions and Celery..... $2\frac{1}{2}$ oz. net, \$2.00—9 oz., 85c

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Curry Powder.....85c

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each Smoked Hickory Salt, Marjoram,
Ginger Spice, Poultry Seasoning.....60c

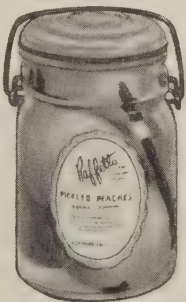
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syrup, for ice cream and desserts,
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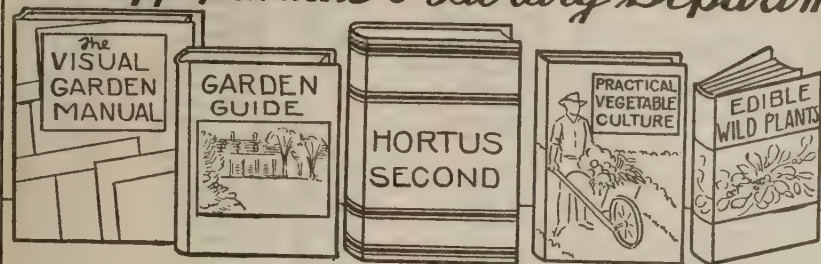
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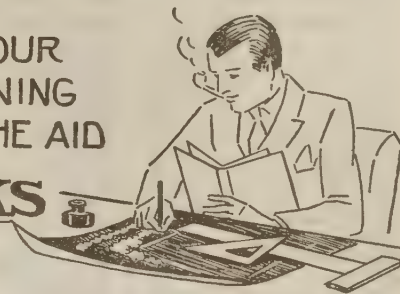
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TERMS OF BUSINESS

FOR YOUR CONVENIENCE — You can use the order sheet on the right. We also publish an order-book of 32 pages with a complete printing of our flower and vegetable varieties. It is helpful if your list is a long one, and we will mail it on receipt of a card. Please send orders and correspondence to our New York headquarters.

A Check, Bank Draft, Post-Office or Express Money Order may accompany your order, and if you send currency, be sure to use registered mail.

We will be glad to ship seeds, bulbs, and fertilizers C. O. D., but this does not apply to perishable goods, like shrubs or plants, which we cannot send C. O. D. We are glad to open charge accounts on receipt of the usual trade references.

Our prices are net, with no discounts, and always subject to change without notice.

We make no charge for packing domestic shipments, except annual plants less in value than \$3.50, or where special bags are used. We charge for the latter, but allow full credit when they are returned prepaid, with the sender's name and address on the bundle.

EXPORT. We are well equipped to make shipments to distant points, through our Export Department, which will take care of the proper packing, delivery to steamer, and the preparation of the necessary documents. Purchaser pays actual charges for transportation and special packing for export shipments.

NON-WARRANTY. In accordance with the established custom of the Seed Trade, we, Stumpp & Walter Co., give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs, or plants we send out, and will not be responsible for the crop.

Experienced gardeners realize that when failures occur—and they should happen but rarely—they usually are due, not to the seed, but to some circumstances of cultivation, soil or climate over which the seedsman has no control.

Any claim as to shortage, etc., should be made promptly, and it will be adjusted to your satisfaction. Claims should be made within 10 days of receipt of goods; we cannot consider complaints made after this date.

WE DELIVER FREE anywhere in the U. S., at prices shown in this Catalogue, all Grass Seeds and Lawn Mixtures, Flower Seeds, Vegetable Seeds, Bulbs and Books.

WE DELIVER FREE within 50 miles of New York all other merchandise in this Catalogue when the value exceeds \$2 (\$3.50 in the case of annual plants). We send, at our option, by Parcel Post, Express or Freight, to your address or your nearest post office, express office or freight station.

PURCHASER PAYS TRANSPORTATION (on arrival) beyond 50 miles of New York on: Lawnspreed, Potatoes, Farm Seeds, Field Corn, Clovers, Cereals, Plants, Roots, Nursery Stock, Roses, Fertilizers, Garden Supplies, Hardware, Insecticides, Fungicides, etc. Within 50 miles of New York, purchaser pays transportation on these items on orders for \$2 or less (\$3.50 in the case of annual plants).

EMPLOYMENT REGISTER. We have qualified men on our books seeking positions as Superintendents, Gardeners, Greenkeepers or Groundsmen. Many are known personally to us, and we will be glad to put them in touch with employers seeking experienced help of this kind.

Many items of Emergency Equipment necessary for Home Defense are offered in the Implement Section of this Book.
See pages 116 through 133, which latter you will find especially interesting.

132-138 Church Street (Corner Warren Street) New York

General Order Sheet A 145

GENERAL ORDER SHEET

[illegible]

IF ANYTHING IS MISSING when you unpack your goods, look for a memorandum, either with your merchandise or sent by mail, telling you that some items of the order are to follow later; these may be goods which are not suitable for using right away. Onion sets, roses, and shrubs, for example, are not shipped until it is the proper time to plant them. We sometimes enclose small packages in larger bags of seed or fertilizer.

YOU NEED NOT ENCLOSE CASH with your Order if you have charge accounts with other business houses. List here the stores with which you trade:

We send the merchandise you select without delay, and will mail you an invoice which is payable within thirty days.

QUALITY

(Corner Warren Street)

PLEASE USE THIS ORDER SHEET FOR

Annual Plants, Roses, Shrubs, Climbers, Azaleas, Rhododendrons, Blackberries, Blueberries, Currants, Gooseberries, Raspberries, Strawberries, Fruit Trees, Grape-Vines, Hardy Perennials. These are on pages 87 to 115 of our spring Catalogue.

FOR SHIPMENT AT PLANTING TIME

PLEASE USE ORDER SHEET A FOR SEEDS, BULBS, AND GARDEN SUPPLIES

Name _____

*P. O. Box, Street
or Rural Delivery* _____

Post Office _____ *State* _____

Superintendent or Gardener_____

That we may enter for Catalogues

Station or Express Office _____ Only if different from Post Office _____ Send by _____ State if wanted by Mail, Express or Freight

Only if different from Post Office

Send by _____

State if wanted by Mail, Express or Freight

We, Stumpp & Walter Co., give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs, or plants we send out, and will not be responsible for the crop.

[illegible]

WE DELIVER NURSERY STOCK over \$2.00 in value within 50 miles (\$3.50 in the case of annual plants).
Beyond 50 miles the Purchaser pays delivery charges on arrival.

SPECIAL NOTICE. Please use Order Sheet A for Seeds, Bulbs and Garden Supplies listed on pages 2 to 86, and 116 to 141 inclusive

NURSERY ORDER SHEET

[illegible]

IF ANYTHING IS MISSING when you unpack your goods, look for a memorandum either with your merchandise or sent by mail, telling you that some items of the order are to follow later; these may be goods which are not suitable for using right away. Onion sets, roses, and shrubs, for example, are not shipped until it is the proper time to plant them. We sometimes enclose small packages in larger bags of seed or fertilizer.

YOU NEED NOT ENCLOSE CASH with your Order if you have charge accounts with other business houses. List here the stores with which you trade:

We send the merchandise you select without delay, and will mail you an invoice which is payable within thirty days.



GOLDEN SPOON
\$1 for 3, \$3.75 per doz.



NANCY COPELAND. (Single)
\$1 for 3, \$3.75 per doz.



SONNY BOY. (Pompon)
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BURGUNDY. (Double Korean)
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SHADES: ROSE, PINK, RED, ORANGE, SALMON

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